

# Converting Colors

XYZ(79.1413, 91.6189, 90.3235)

Have a look what the booklet for  
XYZ(79.1413, 91.6189, 90.3235)  
contains.

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# Color

**XYZ(79.3632, 91.8269,  
90.6323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBFEE9
RGB	219, 254, 233
RGB Percent	86%, 100%, 91%
CMY	0.1412, 0.0039, 0.0863
CMYK	0.14, 0.00, 0.08, 0.00
HSL	144°, 95%, 93%
HSV	144°, 14%, 100%
XYZ	79.3632, 91.8269, 90.6323
YIQ	241.1410, -14.1190, -13.9510

# Conversions

## Conversions Part 2

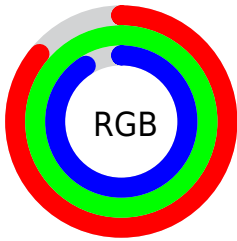
Format	Color
R <sub>Y</sub> B	219, 244, 254
Decimal	14417641
CIE Lab	96.75, -15.16, 6.26
CIE LCh	97, 16.401, 157.562
Yxy	91.8269, 0.3031, 0.3507
Android (android.graphics.Color)	4292607721 (0xFFDBFEE9)
YUV	241.1410, -4.0135, -19.4177
Hunter-Lab	95.8264, -19.8628, 11.0021

# Details

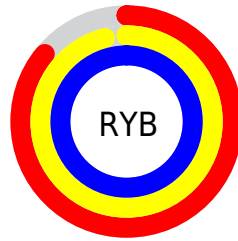
The XYZ color **79.3632, 91.8269, 90.6323** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.9360, 78.0274, 93.1845**, and the grayscale version is **83.7608, 88.1229, 95.9659**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2119, 50.9993, 49.1613** is the 20% darker color. If you saturate the color by 10%, you get **70.2130, 87.3532, 79.3258**, and if you desaturate by 10%, it is **89.8726, 96.9847, 102.9880**.

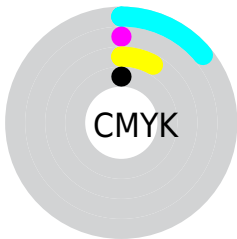
# Distribution



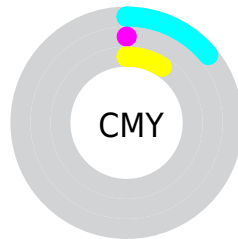
- Red (86%)
- Green (100%)
- Blue (91%)



- Red (86%)
- Yellow (96%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.3632, 91.8269, 90.6323 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 79.3632, 91.8269, 90.6323 by changing the saturation by 10% instead.




 79.3632, 91.8269,  
90.6323

 79.3632, 91.8269,  
90.6323


481.5535,  
533.9559, 550.7086

 59.5011, 69.4969,  
67.9285


131.4253,  
149.8735, 150.1596

 43.2646, 51.1165,  
49.3733


164.3560,  
186.3588, 187.8201

 30.2882, 36.3013,  
34.5480


202.3737,  
228.3313, 231.3034

 20.2066, 24.6670,  
23.0341


245.8436,  
276.1754, 281.0278

 12.6544, 15.8291,  
14.4132

295.1312,  
330.2756, 337.4120

 7.2664, 9.4033,  
8.2666

350.6018,

 3.6771, 5.0052,

391.0161, 400.8746

4.1758

412.6208,  
458.7814, 471.8339

■ 1.5211, 2.2503,  
1.7223

■ 0.3401, 0.7472,  
0.3759

■ 79.3632, 91.8269,  
90.6323

■ 79.3632, 91.8269,  
90.6323

■ 70.2130, 87.3532,  
79.3258

■ 89.8726, 96.9847,  
102.9880

■ 62.3570, 83.5229,  
69.0350

94.7336, 99.3671,  
108.7945

■ 55.7361, 80.3087,  
59.7335

■ 50.2834, 77.6768,  
51.3912

■ 45.9255, 75.5897,  
43.9766

■ 42.5799, 74.0059,  
37.4564

■ 40.1521, 72.8771,  
31.7952

■ 38.5270, 72.1448,  
26.9544

■ 37.8217, 71.8384,  
24.3375

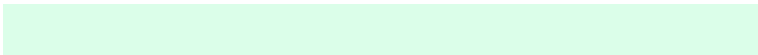
# Harmonies

## Analogous

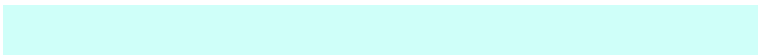
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0018, 91.8269, 81.2347



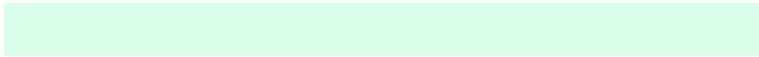
79.3632, 91.8269, 90.6323



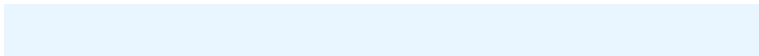
78.8087, 91.8269, 103.3516

# Triad

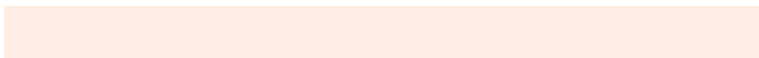
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.3632, 91.8269, 90.6323



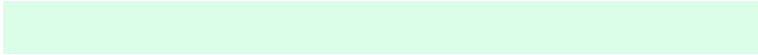
88.4468, 91.8269, 127.2279



94.4725, 91.8269, 85.3358

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79.3632, 91.8269, 90.6323



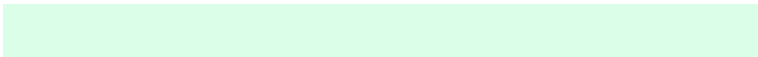
81.9360, 78.0274, 93.1845

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.3348, 91.8269, 96.6902



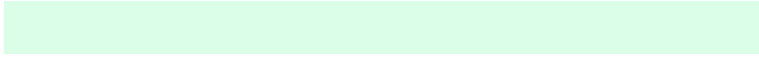
79.3632, 91.8269, 90.6323



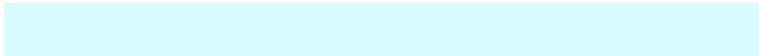
92.7773, 91.8269, 121.4164

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.3632, 91.8269, 90.6323



83.9492, 91.8269, 125.2470



95.7038, 91.8269, 109.9576

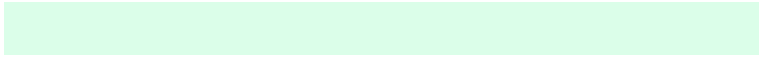


90.6951, 91.8269, 78.3691



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



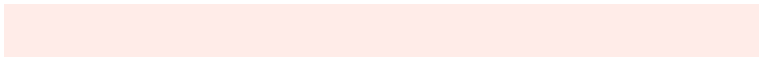
79.3632, 91.8269, 90.6323



79.6770, 91.8269, 112.1571



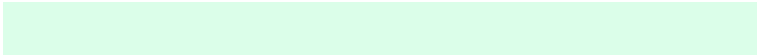
95.7038, 91.8269, 109.9576



95.3492, 91.8269, 88.7250

# Sweetspot

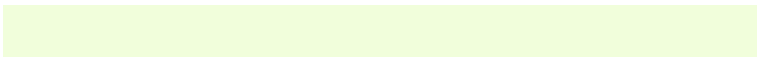
The Sweet Spot groups the original color and five complimentary colors.



79.3658, 91.8308, 90.6343



90.4266, 97.7286, 103.6216



84.3649, 94.6299, 80.8379



19.1743, 20.8292, 21.9710



0.0000, 0.0000, 0.0000

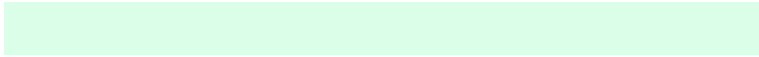


20.3446, 21.4041, 23.3091

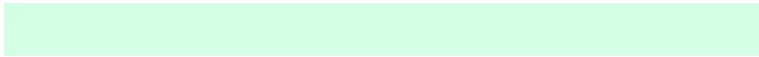


# Same Dimension

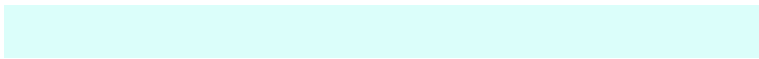
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3658, 91.8308, 90.6343



76.9518, 91.1216, 87.6527



81.9005, 92.8447, 103.9824



18.0725, 20.2885, 20.6850



20.0071, 37.8994, 13.1885



2.0002, 3.7110, 1.5590



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



81.9360, 78.0274, 93.1845



80.0790, 74.3253, 90.7541



79.5379, 77.0681, 80.5560



18.4670, 18.1701, 21.0766



24.6293, 12.3410, 17.2304



2.4521, 1.2232, 1.9620



# Previews

## White Background



This preview shows how the XYZ color 79.3632, 91.8269, 90.6323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

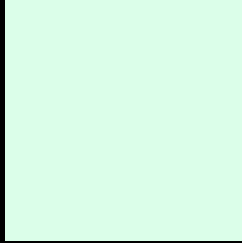
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.3632, 91.8269, 90.6323 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

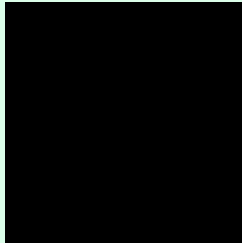
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

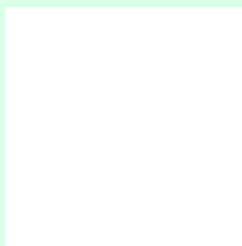
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.3632, 91.8269, 90.6323**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.3632, 91.8269, 90.6323.



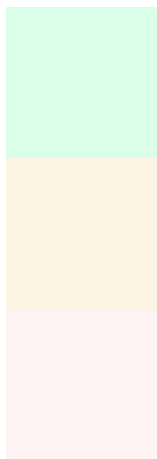
This preview shows how white text looks on a background with the XYZ color 79.3632, 91.8269,

90.6323.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

79.3632, 91.8269, 90.6323

### Protanopia

87.2273, 91.3736, 86.4383

### Deuteranopia

89.0191, 91.1751, 96.9111



## **Tritanopia**

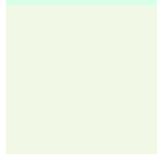
86.2358, 91.7461, 107.7714

# Trichromacy



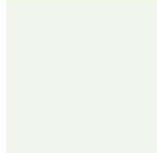
## Original Color

79.3632, 91.8269, 90.6323



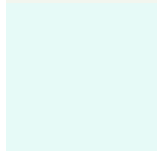
## Protanomaly

84.1260, 91.5487, 88.0997



## Deuteranomaly

85.1537, 91.0208, 94.7420



## Tritanomaly

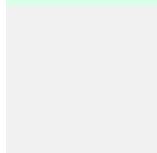
83.6072, 91.9096, 101.3294

# Monochromacy



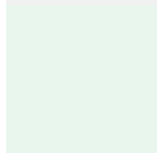
## Original Color

79.3632, 91.8269, 90.6323



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

81.9927, 89.4082, 93.8250

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.3632, 91.8269, 90.6323 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(219, 254, 233)` looks like.

```
.text, #text, p{  
    color:rgb(219, 254, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 254, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 254, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 79.3632, 91.8269, 90.6323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 254, 233) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 254, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 254, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 254, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 254, 233);  
box-shadow:4px 4px 4px 4px rgb(219, 254,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.3632, 91.8269, 90.6323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 254, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219,  
254, 233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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