

# Converting Colors

XYZ(79.7972, 90.5938, 92.9726)

Have a look what the booklet for  
XYZ(79.7972, 90.5938, 92.9726)  
contains.

<b>XYZ(79.7617, 90.5801, 92.6367)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(79.7617, 90.5801,  
92.6367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFBEC
RGB	222, 251, 236
RGB Percent	87%, 98%, 93%
CMY	0.1294, 0.0157, 0.0745
CMYK	0.12, 0.00, 0.06, 0.02
HSL	149°, 78%, 93%
HSV	149°, 12%, 98%
XYZ	79.7617, 90.5801, 92.6367
YIQ	240.6190, -12.4690, -10.8130

# Conversions

## Conversions Part 2

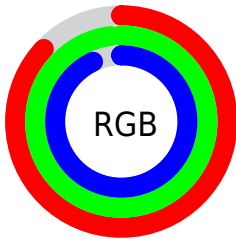
Format	Color
R <sub>Y</sub> B	222, 242, 251
Decimal	14613484
CIE Lab	96.24, -12.16, 4.00
CIE LCh	96, 12.804, 161.799
Yxy	90.5801, 0.3033, 0.3444
Android (android.graphics.Color)	4292803564 (0xFFDEFBEC)
YUV	240.6190, -2.2772, -16.3289
Hunter-Lab	95.1736, -16.9591, 8.9119

# Details

The XYZ color **79.7617, 90.5801, 92.6367** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.1943, 78.8685, 91.0687**, and the grayscale version is **83.3361, 87.6761, 95.4793**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4664, 50.0944, 50.5583** is the 20% darker color. If you saturate the color by 10%, you get **70.8206, 86.1834, 82.7267**, and if you desaturate by 10%, it is **89.9895, 95.6293, 103.3267**.

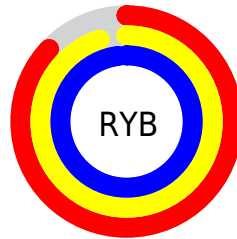
# Distribution



Red (87%)

Green (98%)

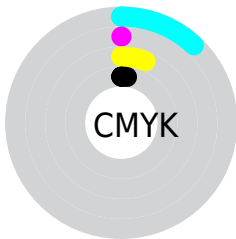
Blue (93%)



Red (87%)

Yellow (95%)

Blue (98%)

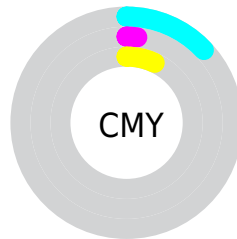


Cyan (12%)

Magenta (0%)

Yellow (6%)

Black (2%)



Cyan (13%)

Magenta (2%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7617, 90.5801, 92.6367 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 79.7617, 90.5801, 92.6367 by changing the saturation by 10% instead.



79.7617, 90.5801,  
92.6367

79.7617, 90.5801,  
92.6367

482.8782,  
529.9161, 557.3610

59.8301, 68.4619,  
69.5836

131.9829,  
148.1439, 152.9629

43.5306, 50.2736,  
50.7124

165.0032,  
184.3583, 191.0730

30.4980, 35.6308,  
35.6047

203.1171,  
226.0402, 235.0393

20.3668, 24.1492,  
23.8418

246.6900,  
273.5740, 285.2802

12.7718, 15.4443,  
15.0052

296.0872,  
327.3441, 342.2143

7.3475, 9.1318,  
8.6763

351.6740,

3.7286, 4.8273,

387.7349, 406.2601

4.4368

413.8159,  
455.1307, 477.8362

■ 1.5498, 2.1463,  
1.8679

■ 0.3593, 0.6905,  
0.4722

■ 79.7617, 90.5801,  
92.6367

■ 79.7617, 90.5801,  
92.6367

■ 70.8206, 86.1834,  
82.7267

■ 89.9895, 95.6293,  
103.3267

■ 63.1054, 82.4007,  
73.5731

■ 93.7889, 97.4778,  
108.4796

■ 56.5614, 79.2066,  
65.1596

■ 51.1268, 76.5696,  
57.4671

■ 46.7337, 74.4551,  
50.4757

■ 43.3065, 72.8244,  
44.1644

■ 40.7584, 71.6333,  
38.5110

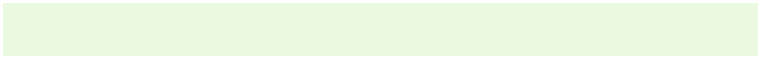
■ 38.9858, 70.8288,  
33.4914

■ 37.9599, 70.3822,  
29.7251

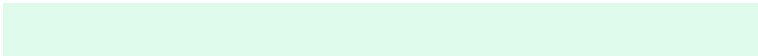
# Harmonies

## Analogous

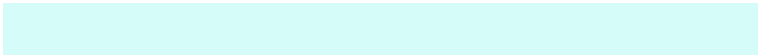
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6173, 90.5801, 84.7396



79.7617, 90.5801, 92.6367



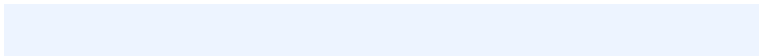
79.5741, 90.5801, 102.6838

# Triad

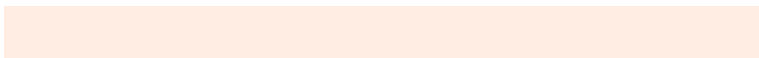
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7617, 90.5801, 92.6367



87.4990, 90.5801, 119.0582



91.2910, 90.5801, 86.1446

# Complementary

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



79.7617, 90.5801, 92.6367



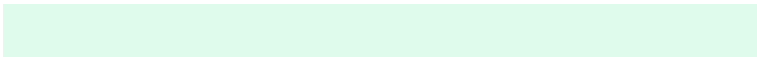
81.1943, 78.8685, 91.0687

# 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.



92.9600, 90.5801, 94.6771



79.7617, 90.5801, 92.6367



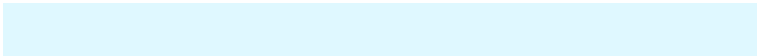
90.7308, 90.5801, 113.9529

# Square

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



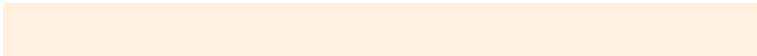
79.7617, 90.5801, 92.6367



83.9760, 90.5801, 118.4178



92.7522, 90.5801, 104.8687

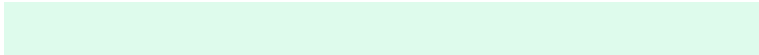


88.2466, 90.5801, 81.1729

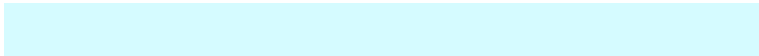


# Rectangle

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



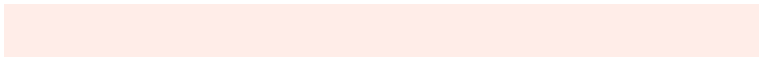
79.7617, 90.5801, 92.6367



80.4135, 90.5801, 109.3063



92.7522, 90.5801, 104.8687



92.0352, 90.5801, 88.6657

# Sweetspot

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



79.7642, 90.5839, 92.6387



91.6606, 98.3256, 105.4497



82.7663, 92.3575, 82.5730



19.4298, 20.9522, 22.3759



0.0000, 0.0000, 0.0000

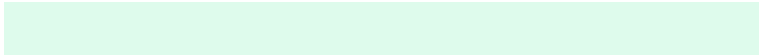


20.3446, 21.4041, 23.3091

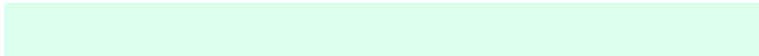


# Same Dimension

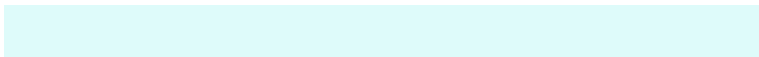
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7642, 90.5839, 92.6387



80.2816, 92.7138, 93.4272



81.8850, 91.4323, 103.8067



17.3664, 19.4488, 20.1301



20.0251, 37.0231, 16.0075



1.9080, 3.4503, 1.7632



# Inverse Universe

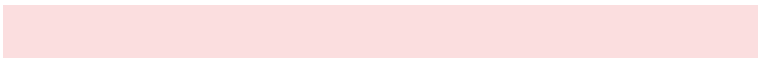
The Inverse Universe completely reimagines the original color for something new.



81.1943, 78.8685, 91.0687



82.0484, 78.2391, 91.4873



79.2224, 78.0798, 80.6852



17.6195, 17.3752, 19.8523



23.0984, 11.6551, 12.4924

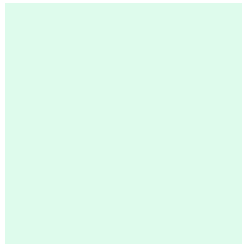


2.1929, 1.1009, 1.4392



# Previews

## White Background



This preview shows how the XYZ color 79.7617, 90.5801, 92.6367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

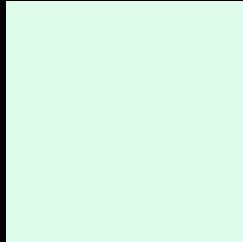
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.7617, 90.5801, 92.6367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

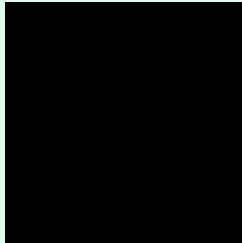
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

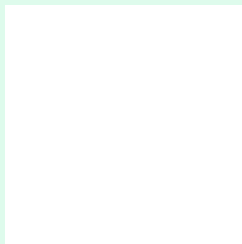
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.7617, 90.5801, 92.6367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.7617, 90.5801, 92.6367.



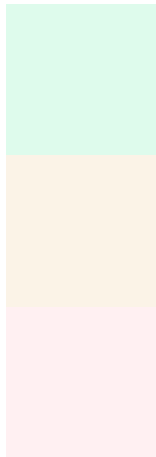
This preview shows how white text looks on a background with the XYZ color 79.7617, 90.5801,

92.6367.

# 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

79.7617, 90.5801, 92.6367

### Protanopia

86.2581, 90.3799, 88.5001

### Deuteranopia

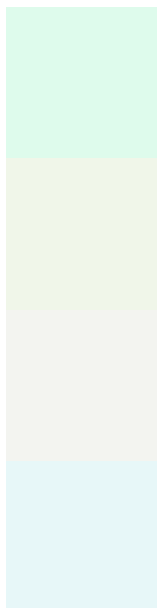
88.4271, 89.9910, 96.7138



## **Tritanopia**

85.2945, 90.3577, 107.5530

# Trichromacy



## Original Color

79.7617, 90.5801, 92.6367

## Protanomaly

83.5989, 90.3200, 90.1182

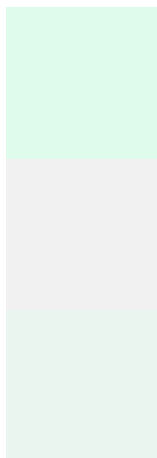
## Deuteranomaly

85.0410, 90.0473, 95.3368

## Tritanomaly

83.1590, 90.2878, 101.8513

# Monochromacy



## Original Color

79.7617, 90.5801, 92.6367

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

82.1641, 89.0292, 94.5152

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.7617, 90.5801, 92.6367 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(222, 251, 236)` looks like.

```
.text, #text, p{  
    color:rgb(222, 251, 236)  
}
```

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(222, 251, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 251, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 79.7617, 90.5801, 92.6367 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(222, 251, 236) }
```



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

```
.border{ border-color:rgb(222, 251, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 251, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 251, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 251, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 251,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.7617, 90.5801, 92.6367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 251, 236) }
```

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

```
.background{ background-color: rgb(222,  
251, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor