

# Converting Colors

XYZ(79.8771, 89.6318, 96.3098)

Have a look what the booklet for  
XYZ(79.8771, 89.6318, 96.3098)  
contains.

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# Color

**XYZ(79.8771, 89.6318,  
96.3098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEF9F1
RGB	222, 249, 241
RGB Percent	87%, 98%, 95%
CMY	0.1294, 0.0235, 0.0549
CMYK	0.11, 0.00, 0.03, 0.02
HSL	162°, 69%, 92%
HSV	162°, 11%, 98%
XYZ	79.8771, 89.6318, 96.3098
YIQ	240.0150, -13.5240, -8.2120

# Conversions

## Conversions Part 2

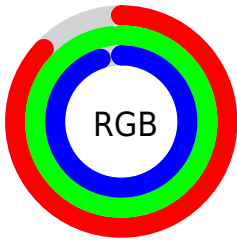
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 238, 249
Decimal	14612977
CIE Lab	95.84, -10.24, 0.85
CIE LCh	96, 10.277, 175.259
Yxy	89.6318, 0.3005, 0.3372
Android (android.graphics.Color)	4292803057 (0xFFDEF9F1)
YUV	240.0150, 0.4856, -15.7992
Hunter-Lab	94.6741, -15.0781, 5.9575

# Details

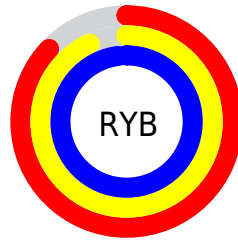
The XYZ color **79.8771, 89.6318, 96.3098** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.4744, 78.0979, 85.7527**, and the grayscale version is **82.8422, 87.1565, 94.9134**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7633, 49.8582, 53.2160** is the 20% darker color. If you saturate the color by 10%, you get **71.7268, 85.5575, 90.2909**, and if you desaturate by 10%, it is **89.2034, 94.3122, 102.6206**.

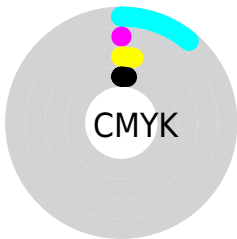
# Distribution



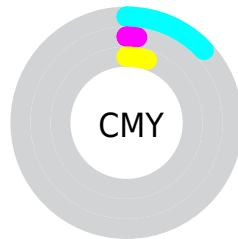
- Red (87%)
- Green (98%)
- Blue (95%)



- Red (87%)
- Yellow (93%)
- Blue (98%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)



- Cyan (13%)
- Magenta (2%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8771, 89.6318, 96.3098 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 79.8771, 89.6318, 96.3098 by changing the saturation by 10% instead.



79.8771, 89.6318,  
96.3098

79.8771, 89.6318,  
96.3098

483.2614,  
526.8324, 569.4408

59.9253, 67.6753,  
72.6227

132.1444,  
146.8268, 158.0840

43.6077, 49.6336,  
53.1776

165.1906,  
182.8342, 197.0082

30.5588, 35.1224,  
37.5558

203.3323,  
224.2939, 241.8485

20.4133, 23.7572,  
25.3390

246.9349,  
271.5904, 293.0235

12.8058, 15.1536,  
16.1085

296.3638,  
325.1082, 350.9517

7.3710, 8.9272,  
9.4458

351.9843,

3.7436, 4.6938,

385.2315, 416.0516

4.9323

414.1617,  
452.3447, 488.7418

■ 1.5581, 2.0687,  
2.1495

■ 0.3649, 0.6469,  
0.6450

■ 79.8771, 89.6318,  
96.3098

■ 79.8771, 89.6318,  
96.3098

■ 71.7268, 85.5575,  
90.2909

■ 89.2034, 94.3122,  
102.6206

■ 64.6953, 82.0523,  
84.5530

■ 93.1673, 96.2347,  
108.2724

■ 58.7318, 79.0927,  
79.0927

■ 53.7783, 76.6488,  
73.9046

■ 49.7716, 74.6880,  
68.9827

■ 46.6407, 73.1739,  
64.3209

■ 44.3043, 72.0646,  
59.9123

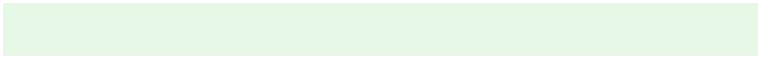
■ 42.6653, 71.3102,  
55.7494

■ 41.6351, 70.8578,  
52.1441

# Harmonies

## Analogous

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



80.7931, 89.6318, 88.9690



79.8771, 89.6318, 96.3098



80.3592, 89.6318, 104.4047

# Triad

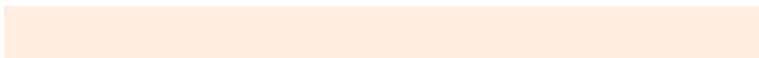
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8771, 89.6318, 96.3098



87.5385, 89.6318, 112.3968



88.3351, 89.6318, 85.3249

# Complementary

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



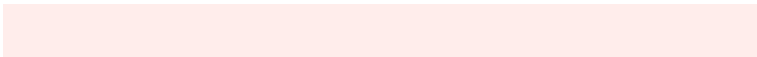
79.8771, 89.6318, 96.3098



79.4744, 78.0979, 85.7527

# 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.



90.2154, 89.6318, 91.0857



79.8771, 89.6318, 96.3098



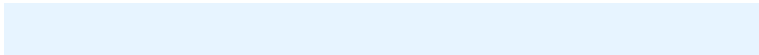
89.7484, 89.6318, 106.7587

# Square

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



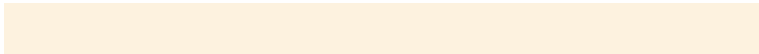
79.8771, 89.6318, 96.3098



84.7428, 89.6318, 113.9848



90.7383, 89.6318, 98.8891



85.6434, 89.6318, 82.8546

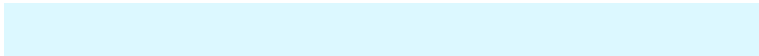


# Rectangle

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



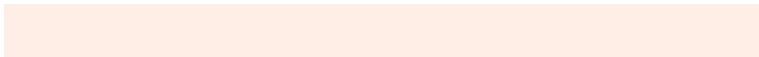
79.8771, 89.6318, 96.3098



81.4144, 89.6318, 109.1020



90.7383, 89.6318, 98.8891



89.0853, 89.6318, 86.9247

# Sweetspot

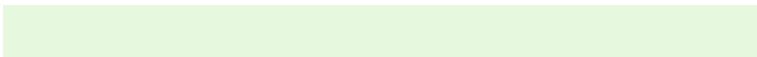
The Sweet Spot groups the original color and five complimentary colors.



79.8796, 89.6356, 96.3118



91.9284, 98.4327, 106.8596



79.7287, 89.8688, 82.2530



19.5021, 20.9811, 22.7566



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

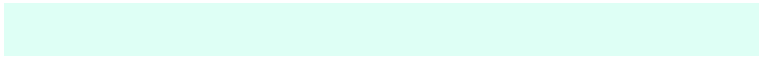


# Same Dimension

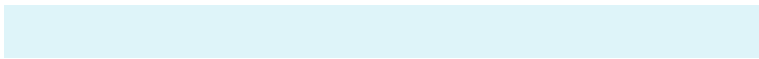
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8796, 89.6356, 96.3118



82.3464, 93.6292, 100.2581



79.4564, 86.8335, 102.1996



17.5338, 19.5158, 21.0113



22.3509, 37.9534, 28.2551



2.1166, 3.5337, 2.8619



# Inverse Universe

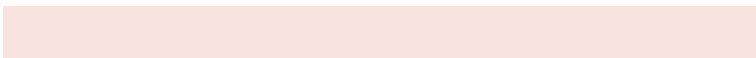
The Inverse Universe completely reimagines the original color for something new.



79.4744, 78.0979, 85.7527



81.8409, 79.2307, 87.0820



79.8333, 80.5735, 80.4533



17.4563, 17.3099, 18.9924



21.6240, 11.0653, 4.7284

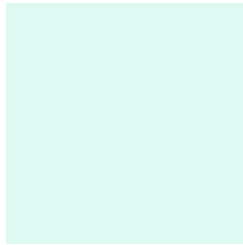


2.0471, 1.0426, 0.6716



# Previews

## White Background



This preview shows how the XYZ color 79.8771, 89.6318, 96.3098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

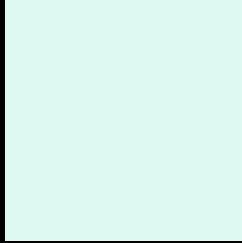
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8771, 89.6318, 96.3098 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

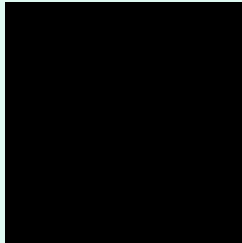
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

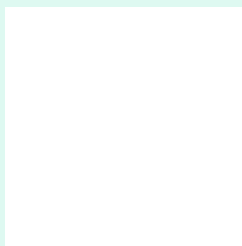
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.8771, 89.6318, 96.3098**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.8771, 89.6318, 96.3098.



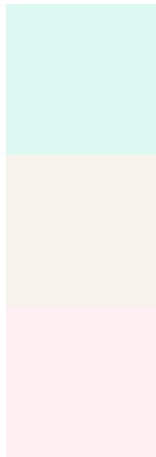
This preview shows how white text looks on a background with the XYZ color 79.8771, 89.6318,

96.3098.

# 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

79.8771, 89.6318, 96.3098

### Protanopia

85.7496, 89.5751, 92.8910

### Deuteranopia

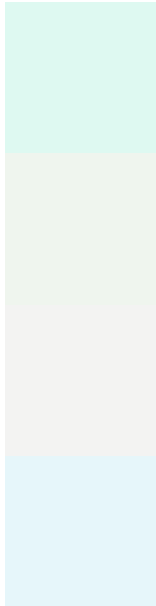
88.2842, 89.4641, 97.4092



## Tritanopia

84.3324, 89.4138, 107.4215

# Trichromacy



## Original Color

79.8771, 89.6318, 96.3098

## Protanomaly

83.6816, 89.8286, 93.8171

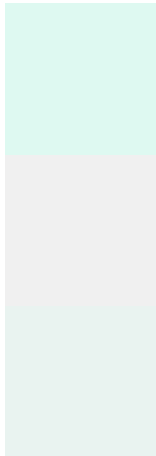
## Deuteranomaly

85.0398, 89.5667, 96.8104

## Tritanomaly

82.8442, 89.6367, 103.3777

# Monochromacy



## Original Color

79.8771, 89.6318, 96.3098

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

81.3830, 87.7161, 95.0796

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8771, 89.6318, 96.3098 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, 249, 241)` looks like.

```
.text, #text, p{  
    color:rgb(222, 249, 241)  
}
```

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, 249, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 249, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8771, 89.6318, 96.3098 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, 249, 241) }
```



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

```
.border{ border-color:rgb(222, 249, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 249, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 249, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 249, 241);  
box-shadow:4px 4px 4px 4px rgb(222, 249,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8771, 89.6318, 96.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 249, 241) }
```

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

```
.background{ background-color: rgb(222,  
249, 241) }
```

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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