

# Converting Colors

XYZ(66.3675, 75.7566, 83.2396)

Have a look what the booklet for  
XYZ(66.3675, 75.7566, 83.2396)  
contains.

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# Color

**XYZ(66.4196, 75.9109,  
83.1031)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | C7E9E2                      |
| RGB         | 199, 233, 226               |
| RGB Percent | 78%, 91%, 89%               |
| CMY         | 0.2196, 0.0863, 0.1137      |
| CMYK        | 0.15, 0.00, 0.03, 0.09      |
| HSL         | 168°, 44%, 85%              |
| HSV         | 168°, 15%, 91%              |
| XYZ         | 66.4196, 75.9109, 83.1031   |
| YIQ         | 222.0360, -18.0170, -9.3850 |

# Conversions

## Conversions Part 2

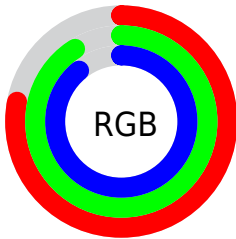
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 199, 218, 233                 |
| Decimal                             | 13101538                      |
| CIE Lab                             | 89.82, -12.41, -0.33          |
| CIE LCh                             | 90, 12.416, 181.522           |
| Yxy                                 | 75.9109, 0.2946,<br>0.3367    |
| Android<br>(android.graphics.Color) | 4291291618<br>(0xFFC7E9E2)    |
| YUV                                 | 222.0360, 1.9543,<br>-20.2026 |
| Hunter-Lab                          | 87.1269, -16.3957,<br>4.4370  |

# Details

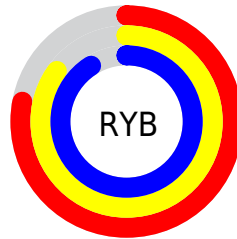
The XYZ color **66.4196, 75.9109, 83.1031** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.1710, 62.6288, 67.0496**, and the grayscale version is **69.4541, 73.0711, 79.5744**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.7499, 40.4043, 44.4954** is the 20% darker color. If you saturate the color by 10%, you get **60.0556, 72.7072, 79.4169**, and if you desaturate by 10%, it is **73.7529, 79.6163, 86.9340**.

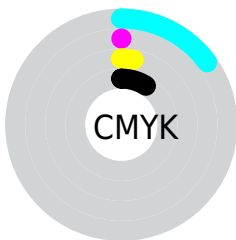
# Distribution



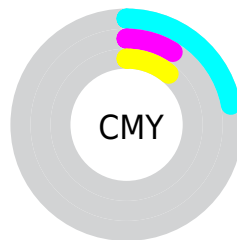
- Red (78%)
- Green (91%)
- Blue (89%)



- Red (78%)
- Yellow (85%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4196, 75.9109, 83.1031 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 66.4196, 75.9109, 83.1031 by changing the saturation by 10% instead.



66.4196, 75.9109,  
83.1031

66.4196, 75.9109,  
83.1031

437.3410,  
481.0426, 525.3101

48.8821, 56.3594,  
61.7341

113.1428,  
127.6010, 139.5704

34.7401, 40.4912,  
44.3835

143.0591,  
160.5083, 175.5057

23.6283, 27.9217,  
30.6327

177.8324,  
198.6365, 217.1336

15.1814, 18.2667,  
20.0632

217.8280,  
242.3698, 264.8726

9.0339, 11.1416,  
12.2565

263.4114,  
292.0927, 319.1412

4.8206, 6.1622,  
6.7939


314.9477,


2.1761, 2.9439,


348.1895, 380.3579


3.2571


372.8025,  
411.0447, 448.9414


 0.7301, 1.1025,  
1.2274


 0.0000, 0.0000,  
0.0011


 66.4196, 75.9109,  
83.1031


 66.4196, 75.9109,  
83.1031


 60.0556, 72.7072,  
79.4169


 73.7529, 79.6163,  
86.9340


 54.6114, 69.9735,  
75.8677

 82.0895, 83.8346,  
90.9073

 50.0427, 67.6891,  
72.4541

 86.1678, 85.8556,  
94.7791

 46.2992, 65.8280,  
69.1730

 86.8919, 86.1452,  
98.5924

■ 43.3251, 64.3615,  
66.0209

■ 87.6351, 86.4425,  
102.5058

■ 41.0576, 63.2572,  
62.9942

■ 88.3974, 86.7474,  
106.5201

■ 39.4241, 62.4777,  
60.0886

■ 88.4303, 86.7606,  
106.6934

■ 38.3355, 61.9772,  
57.2991

■ 37.8989, 61.7840,  
55.8354

# Harmonies

## Analogous

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



67.0946, 75.9109, 74.8659



66.4196, 75.9109, 83.1031



67.2438, 75.9109, 91.7945

# Triad

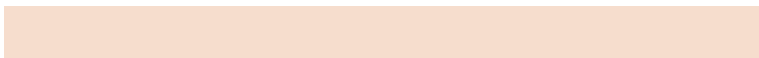
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.4196, 75.9109, 83.1031



75.2758, 75.9109, 97.8899



74.9973, 75.9109, 68.6904

# Complementary

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



66.4196, 75.9109, 83.1031



65.1710, 62.6288, 67.0496

# 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.



77.2914, 75.9109, 74.1415



66.4196, 75.9109, 83.1031



77.4553, 75.9109, 90.9645

# Square

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



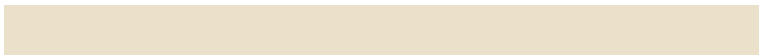
66.4196, 75.9109, 83.1031



72.3077, 75.9109, 100.6970



78.2030, 75.9109, 82.2067



71.9946, 75.9109, 66.9064



# Rectangle

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



66.4196, 75.9109, 83.1031



68.5465, 75.9109, 96.5811



78.2030, 75.9109, 82.2067



75.8798, 75.9109, 70.1347

# Sweetspot

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



66.4218, 75.9141, 83.1048



91.0600, 97.9819, 106.9574



65.0056, 75.5790, 65.1962



19.3348, 20.8934, 22.8158



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

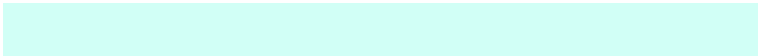


# Same Dimension

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



66.4218, 75.9141, 83.1048



78.6478, 91.7159, 100.3820



64.7493, 70.9996, 87.3861



15.3770, 17.0656, 18.6682



21.5498, 35.0744, 31.9241



1.7256, 2.7676, 2.6829



# Inverse Universe

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



65.1710, 62.6288, 67.0496



76.7925, 72.0010, 76.5603



66.6262, 66.8707, 63.4299



15.1923, 15.1048, 16.2982



19.4063, 9.9652, 2.6748

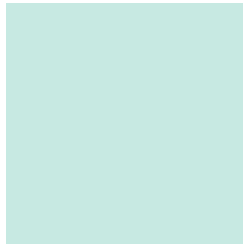


1.5579, 0.7961, 0.3890



# Previews

## White Background



This preview shows how the XYZ color 66.4196, 75.9109, 83.1031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

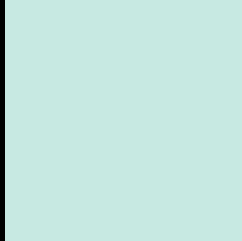
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.4196, 75.9109, 83.1031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

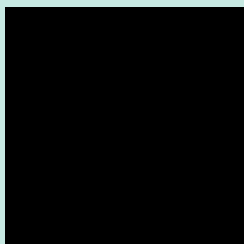
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

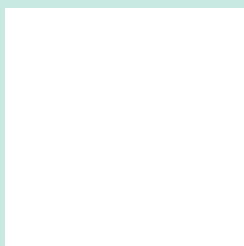
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.4196, 75.9109, 83.1031

## Background



This preview shows how black text looks on a background with the XYZ color 66.4196, 75.9109, 83.1031.



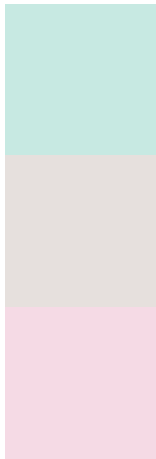
This preview shows how white text looks on a background with the XYZ color 66.4196, 75.9109,



# 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

66.4196, 75.9109, 83.1031

### Protanopia

72.3399, 75.3548, 79.1388

### Deuteranopia

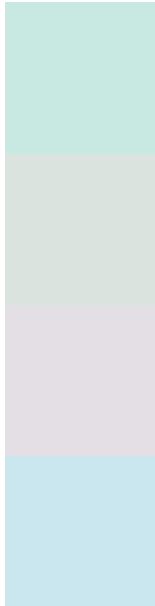
76.8704, 75.2124, 84.5947



## Tritanopia

69.8687, 76.0674, 99.8069

# Trichromacy



## Original Color

66.4196, 75.9109, 83.1031

## Protanomaly

70.0018, 75.3260, 80.6619

## Deuteranomaly

72.3862, 74.8708, 84.0351

## Tritanomaly

68.6612, 75.9997, 93.4886

# Monochromacy



## Original Color

66.4196, 75.9109, 83.1031

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.2472, 74.0166, 80.5017

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.4196, 75.9109, 83.1031 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(199, 233, 226)` looks like.

```
.text, #text, p{  
    color:rgb(199, 233, 226)  
}
```

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(199, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 233, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 66.4196, 75.9109, 83.1031 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(199, 233, 226) }
```



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

```
.border{ border-color:rgb(199, 233, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 233, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 233, 226);  
box-shadow:4px 4px 4px 4px rgb(199, 233,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.4196, 75.9109, 83.1031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 233, 226) }
```

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

```
.background{ background-color: rgb(199,  
233, 226) }
```

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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