

Converting Colors

XYZ(63.9475, 76.8019, 68.1953)

Have a look what the booklet for
XYZ(63.9475, 76.8019, 68.1953)
contains.

XYZ(63.8286, 76.6159, 67.9241)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.8286, 76.6159,
67.9241)**

Conversions

Conversions Part 1

Format	Color
Hex	C4EDCB
RGB	196, 237, 203
RGB Percent	77%, 93%, 80%
CMY	0.2314, 0.0706, 0.2039
CMYK	0.17, 0.00, 0.14, 0.07
HSL	130°, 53%, 85%
HSV	130°, 17%, 93%
XYZ	63.8286, 76.6159, 67.9241
YIQ	220.8650, -13.5220, -19.2660

Conversions

Conversions Part 2

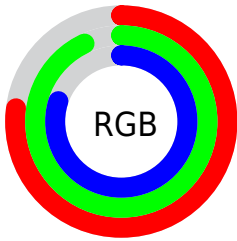
Format	Color
RYB	196, 231, 237
Decimal	12905931
CIELab	90.14, -19.67, 12.12
CIELCh	90, 23.099, 148.360
Yxy	76.6159, 0.3063, 0.3677
Android (android.graphics.Color)	4291096011 (0xFFC4EDCB)
YUV	220.8650, -8.8074, -21.8066
Hunter-Lab	87.5305, -23.0134, 15.2620

Details

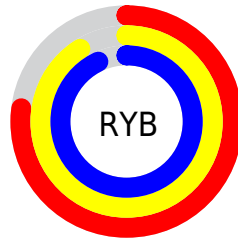
The XYZ color **63.8286, 76.6159, 67.9241** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.9506, 63.1993, 83.4310**, and the grayscale version is **68.7009, 72.2787, 78.7115**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.1040, 40.9685, 34.5967** is the 20% darker color. If you saturate the color by 10%, you get **55.9485, 72.8094, 56.0945**, and if you desaturate by 10%, it is **72.9837, 81.0497, 81.3666**.

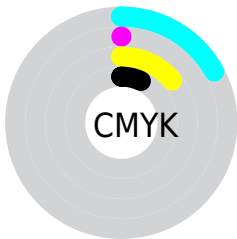
Distribution



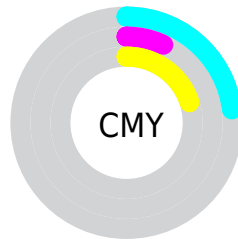
- Red (77%)
- Green (93%)
- Blue (80%)



- Red (77%)
- Yellow (91%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)



- Cyan (23%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8286, 76.6159, 67.9241 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 63.8286, 76.6159, 67.9241 by changing the saturation by 10% instead.

63.8286, 76.6159,
67.9241

63.8286, 76.6159,
67.9241

428.1825,
483.4534, 471.8178

46.7730, 56.9377,
49.3697

109.4392,
128.5971, 117.8967

33.0635, 40.9552,
34.5452

138.7249,
161.6690, 150.1521

22.3345, 28.2841,
23.0320

172.8180,
199.9741, 187.8114

14.2209, 18.5399,
14.4116

212.0839,
243.8970, 231.2934

8.3572, 11.3383,
8.2655

256.8880,
293.8219, 281.0164

4.3781, 6.2949,
4.1751

307.5955,

1.9182, 3.0252,

350.1334, 337.3992

1.7219

364.5719,
413.2158, 400.8601

■ 0.5874, 1.1449,
0.3757

■ 0.0000, 0.0160,
0.0000

■ 63.8286, 76.6159,
67.9241

■ 63.8286, 76.6159,
67.9241

■ 55.9485, 72.8094,
56.0945

■ 72.9837, 81.0497,
81.3666

■ 49.2805, 69.5926,
45.8123

■ 83.4605, 86.1271,
96.4743

■ 43.7655, 66.9386,
37.0150

■ 89.5757, 89.0513,
107.0752

■ 39.3373, 64.8145,
29.6338

■ 35.9226, 63.1843,
23.5946

■ 33.4389, 62.0071,
18.8164

■ 31.7904, 61.2354,
15.2095

■ 30.8543, 60.8080,
12.6718

■ 30.6766, 60.7277,
12.1538

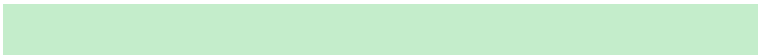
Harmonies

Analogous

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



67.7064, 76.6159, 58.5977



63.8286, 76.6159, 67.9241



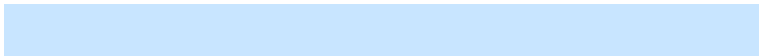
62.3429, 76.6159, 82.5211

Triad

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



63.8286, 76.6159, 67.9241



72.5060, 76.6159, 119.1486



82.9647, 76.6159, 69.2983

Complementary

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



63.8286, 76.6159, 67.9241



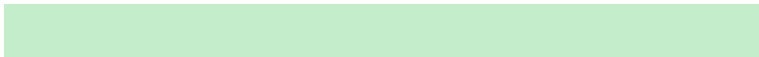
68.9506, 63.1993, 83.4310

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.



84.4122, 76.6159, 84.3288



63.8286, 76.6159, 67.9241



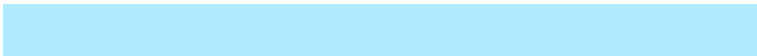
78.1871, 76.6159, 114.4206

Square

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



63.8286, 76.6159, 67.9241



67.1870, 76.6159, 113.3084



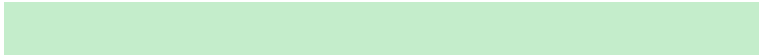
82.6209, 76.6159, 101.1136



78.7617, 76.6159, 59.3148

Rectangle

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



63.8286, 76.6159, 67.9241



62.8464, 76.6159, 93.7727



82.6209, 76.6159, 101.1136



83.7991, 76.6159, 73.8619

Sweetspot

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



63.8307, 76.6191, 67.9258



88.8579, 96.9991, 99.9675



72.9377, 81.4082, 64.0945



18.8398, 20.6749, 21.1371



0.0000, 0.0000, 0.0000



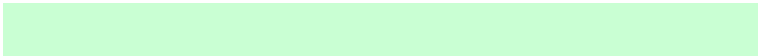
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8307, 76.6191, 67.9258



71.6754, 88.6827, 74.7002



66.4158, 77.6532, 81.5387



14.9733, 16.9041, 16.5420



16.7802, 33.1665, 6.8075



1.3484, 2.6167, 0.6965

Inverse Universe

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



68.9506, 63.1993, 83.4310



78.8444, 69.8885, 96.4085



66.2587, 62.1226, 69.2556



15.5980, 15.2670, 18.4343



24.5841, 12.0363, 29.9408



1.9596, 0.9568, 2.5046

Previews

White Background



This preview shows how the XYZ color 63.8286, 76.6159, 67.9241 looks on a white background.

Color Contrast Check

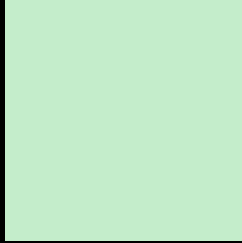
Large Text (above 18pt) WCAG AA × Fail

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 63.8286, 76.6159, 67.9241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

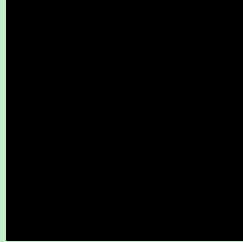
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8286, 76.6159, 67.9241

Background



This preview shows how black text looks on a background with the XYZ color 63.8286, 76.6159, 67.9241.



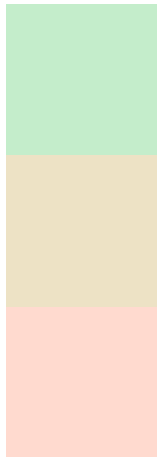
This preview shows how white text looks on a background with the XYZ color 63.8286, 76.6159,

67.9241.

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

63.8286, 76.6159, 67.9241

Protanopia

72.1995, 76.4285, 63.7702

Deuteranopia

77.5739, 75.9078, 69.5946



Tritanopia

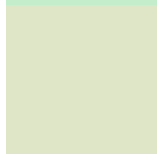
70.5766, 76.8288, 100.7322

Trichromacy



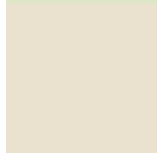
Original Color

63.8286, 76.6159, 67.9241



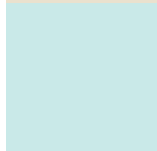
Protanomaly

68.7298, 76.2467, 65.1275



Deuteranomaly

71.9975, 75.7991, 69.2285



Tritanomaly

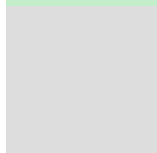
67.7918, 76.5215, 87.5411

Monochromacy



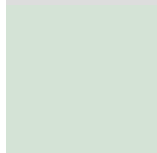
Original Color

63.8286, 76.6159, 67.9241



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.7581, 73.7903, 74.3427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8286, 76.6159, 67.9241 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(196, 237, 203)` looks like.

```
.text, #text, p{  
    color:rgb(196, 237, 203)  
}
```

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(196, 237, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 237, 203) }
```

Border

The CSS property to change the border of an element to XYZ 63.8286, 76.6159, 67.9241 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(196, 237, 203) }
```


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

```
.border{ border-color:rgb(196, 237, 203) }
```

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

Here you see how a box with a 4 pixel rgb(196, 237, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 237, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 237, 203);  
box-shadow:4px 4px 4px 4px rgb(196, 237,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8286, 76.6159, 67.9241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 237, 203) }
```

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

```
.background{ background-color: rgb(196,  
237, 203) }
```

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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