

Converting Colors

XYZ(64.4324, 66.7158, 87.8523)

Have a look what the booklet for
XYZ(64.4324, 66.7158, 87.8523)
contains.

XYZ(64.5218, 66.8521, 88.1003)	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(64.5218, 66.8521,
88.1003)**

Conversions

Conversions Part 1

Format	Color
Hex	CFD5EB
RGB	207, 213, 235
RGB Percent	81%, 84%, 92%
CMY	0.1882, 0.1647, 0.0784
CMYK	0.12, 0.09, 0.00, 0.08
HSL	227°, 41%, 87%
HSV	227°, 12%, 92%
XYZ	64.5218, 66.8521, 88.1003
YIQ	213.7140, -10.6380, 5.5700

Conversions

Conversions Part 2

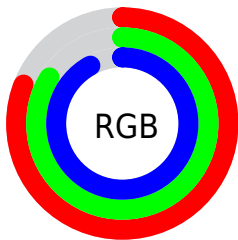
Format	Color
R _Y B	207, 212, 235
Decimal	13620715
CIE Lab	85.43, 2.24, -11.49
CIE LCh	85, 11.705, 281.024
Yxy	66.8521, 0.2940, 0.3046
Android (android.graphics.Color)	4291810795 (0xFFCFD5EB)
YUV	213.7140, 10.4940, -5.8882
Hunter-Lab	81.7631, -2.2257, -6.6512

Details

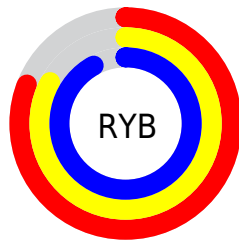
The XYZ color **64.5218, 66.8521, 88.1003** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.5431, 78.2053, 70.2519**, and the grayscale version is **63.6628, 66.9783, 72.9393**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5004, 34.4807, 47.5376** is the 20% darker color. If you saturate the color by 10%, you get **54.0565, 54.9529, 86.3562**, and if you desaturate by 10%, it is **76.4969, 80.3180, 90.0694**.

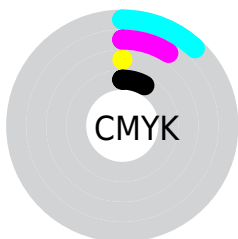
Distribution



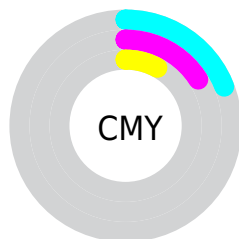
- Red (81%)
- Green (84%)
- Blue (92%)



- Red (81%)
- Yellow (83%)
- Blue (92%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)



- Cyan (19%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5218, 66.8521, 88.1003 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 64.5218, 66.8521, 88.1003 by changing the saturation by 10% instead.

■ 64.5218, 66.8521,
88.1003

■ 64.5218, 66.8521,
88.1003

430.6440,
449.4181, 542.2415

■ 47.3367, 48.9644,
65.8413

110.4316,
114.7085, 146.6092

■ 33.5110, 34.5913,
47.6879

139.8870,
145.4460, 183.6961

■ 22.6793, 23.3482,
33.2216

174.1632,
181.2355, 226.5628

■ 14.4762, 14.8508,
22.0237

213.6256,
222.4615, 275.6278

■ 8.5366, 8.7148,
13.6759

258.6395,
269.5084, 331.3096

■ 4.4948, 4.5556,
7.7594

309.5703,

■ 1.9857, 1.9890,

322.7605, 394.0268

3.8558

366.7833,
382.6023, 464.1979

■ 0.6259, 0.6010,
1.5466

■ 0.0000, 0.0000,
0.2523

■ 64.5218, 66.8521,
88.1003

■ 64.5218, 66.8521,
88.1003

■ 54.0565, 54.9529,
86.3562

■ 76.4969, 80.3180,
90.0694

■ 45.0344, 44.5544,
84.8246

■ 90.0330, 95.3965,
92.2664

■ 37.3926, 35.5985,
83.4987

■ 91.9956, 98.7782,
92.8157

■ 31.0612, 28.0198,
82.3695

■ 25.9641, 21.7477,
81.4275

■ 22.0168, 16.7052,
80.6623

■ 19.1237, 12.8063,
80.0622

■ 17.1723, 9.9529,
79.6143

■ 16.1526, 8.3122,
79.3514

Harmonies

Analogous

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



61.8958, 66.8521, 87.5058



64.5218, 66.8521, 88.1003



66.9500, 66.8521, 84.3838

Triad

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



64.5218, 66.8521, 88.1003



67.4695, 66.8521, 63.6122



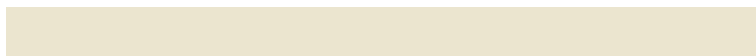
58.8359, 66.8521, 68.1404

Complementary

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



64.5218, 66.8521, 88.1003



73.5431, 78.2053, 70.2519

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.



60.2496, 66.8521, 62.3110



64.5218, 66.8521, 88.1003



65.2150, 66.8521, 59.8251

Square

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



64.5218, 66.8521, 88.1003



68.6831, 66.8521, 70.0313



62.5700, 66.8521, 59.3659



58.6620, 66.8521, 75.6213

Rectangle

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



64.5218, 66.8521, 88.1003



68.1110, 66.8521, 80.1035



62.5700, 66.8521, 59.3659



59.1800, 66.8521, 65.9369

Sweetspot

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



64.5238, 66.8549, 88.1018



88.8932, 93.1100, 107.8946



69.5752, 78.3366, 85.5345



18.7862, 19.6595, 23.0545



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.



64.5238, 66.8549, 88.1018



74.8102, 77.2395, 105.5735



65.3142, 65.0622, 87.7141



14.4929, 15.0723, 19.0676



9.0651, 4.7772, 44.1873



0.7806, 0.5127, 3.4927

Inverse Universe

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



68.5856, 67.0934, 72.2895



80.5086, 77.6232, 83.3791



72.6715, 80.2645, 70.6953



15.1976, 15.1069, 16.3260



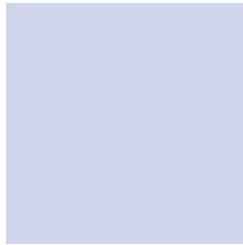
19.4309, 9.9751, 2.8047



1.5605, 0.7972, 0.4030

Previews

White Background



This preview shows how the XYZ color 64.5218, 66.8521, 88.1003 looks on a white background.

Color Contrast Check

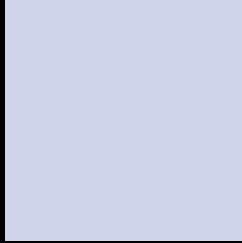
Large Text (above 18pt) WCAG AA × Fail

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 64.5218, 66.8521, 88.1003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

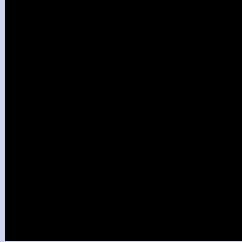
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5218, 66.8521, 88.1003

Background



This preview shows how black text looks on a background with the XYZ color 64.5218, 66.8521, 88.1003.

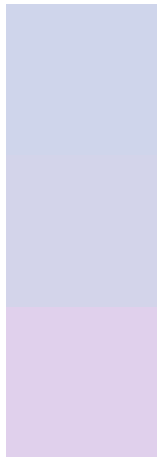


This preview shows how white text looks on a background with the XYZ color 64.5218, 66.8521,

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

64.5218, 66.8521, 88.1003

Protanopia

65.2587, 66.8764, 87.3108

Deuteranopia

68.4367, 67.0152, 88.6851



Tritanopia

63.9240, 66.9845, 85.1614

Trichromacy



Original Color

64.5218, 66.8521, 88.1003

Protanomaly

64.9731, 66.7291, 87.2975

Deuteranomaly

67.1004, 67.0547, 88.7632

Tritanomaly

64.0657, 67.0411, 85.9075

Monochromacy



Original Color

64.5218, 66.8521, 88.1003

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.0954, 67.2159, 78.7030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5218, 66.8521, 88.1003 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(207, 213, 235)` looks like.

```
.text, #text, p{  
    color:rgb(207, 213, 235)  
}
```

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(207, 213, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 213, 235) }
```

Border

The CSS property to change the border of an element to XYZ 64.5218, 66.8521, 88.1003 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(207, 213, 235) }
```


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

```
.border{ border-color:rgb(207, 213, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 213, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 213, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 213, 235);  
box-shadow:4px 4px 4px 4px rgb(207, 213,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5218, 66.8521, 88.1003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 213, 235) }
```

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

```
.background{ background-color: rgb(207,  
213, 235) }
```

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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