

Converting Colors

XYZ(63.1706, 66.8102, 90.7646)

Have a look what the booklet for
XYZ(63.1706, 66.8102, 90.7646)
contains.

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Color

**XYZ(63.0218, 66.7797,
90.4571)**

Conversions

Conversions Part 1

Format	Color
Hex	C6D7EE
RGB	198, 215, 238
RGB Percent	78%, 84%, 93%
CMY	0.2235, 0.1568, 0.0667
CMYK	0.17, 0.10, 0.00, 0.07
HSL	214°, 54%, 85%
HSV	214°, 17%, 93%
XYZ	63.0218, 66.7797, 90.4571
YIQ	212.5390, -17.5150, 3.5490

Conversions

Conversions Part 2

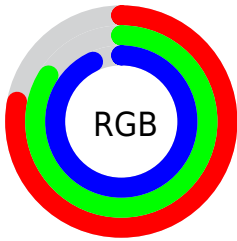
Format	Color
R _Y B	198, 210, 238
Decimal	13031406
CIE Lab	85.39, -1.04, -13.20
CIE LCh	85, 13.240, 265.512
Yxy	66.7797, 0.2861, 0.3032
Android (android.graphics.Color)	4291221486 (0xFFC6D7EE)
YUV	212.5390, 12.5523, -12.7507
Hunter-Lab	81.7188, -5.3483, -8.4267

Details

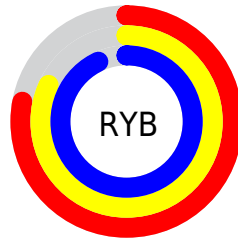
The XYZ color **63.0218, 66.7797, 90.4571** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.3100, 73.9673, 63.9463**, and the grayscale version is **62.8670, 66.1410, 72.0276**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.5159, 34.4483, 49.1914** is the 20% darker color. If you saturate the color by 10%, you get **53.8951, 57.1182, 89.0743**, and if you desaturate by 10%, it is **73.4297, 77.5378, 91.9861**.

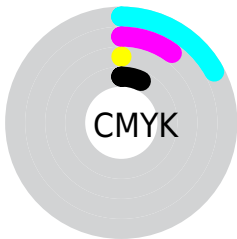
Distribution



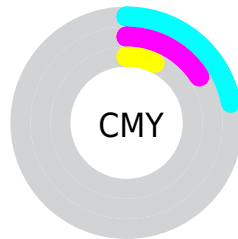
- Red (78%)
- Green (84%)
- Blue (93%)



- Red (78%)
- Yellow (82%)
- Blue (93%)



- Cyan (17%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0218, 66.7797, 90.4571 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 63.0218, 66.7797, 90.4571 by changing the saturation by 10% instead.

■ 63.0218, 66.7797,
90.4571

■ 63.0218, 66.7797,
90.4571

425.3070,
449.1602, 550.1251

■ 46.1176, 48.9056,
67.7840

108.2826,
114.6047, 149.9142

■ 32.5436, 34.5446,
49.2564

137.3699,
145.3244, 187.5353

■ 21.9346, 23.3123,
34.4559

171.2488,
181.0947, 230.9761

■ 13.9252, 14.8243,
22.9639

210.2849,
222.3001, 280.6552

■ 8.1500, 8.6962,
14.3618

254.8434,
269.3250, 336.9911

■ 4.2437, 4.5435,
8.2311

305.2897,

■ 1.8409, 1.9820,

322.5537, 400.4024

4.1533

361.9891,
382.3706, 471.3075

■ 0.5421, 0.5970,
1.7098

■ 0.0000, 0.0000,
0.3674

■ 63.0218, 66.7797,
90.4571

■ 63.0218, 66.7797,
90.4571

■ 53.8951, 57.1182,
89.0743

■ 73.4297, 77.5378,
91.9861

■ 45.9905, 48.5071,
87.8289

■ 85.1626, 89.4200,
93.6612

■ 39.2532, 40.9089,
86.7174

■ 92.4328, 98.9531,
95.1181

■ 33.6214, 34.2804,
85.7348

■ 29.0270, 28.5746,
84.8756

■ 25.3937, 23.7396,
84.1338

■ 22.6330, 19.7167,
83.5028

■ 20.6343, 16.4348,
82.9747

■ 20.1026, 15.5127,
82.8247

Harmonies

Analogous

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



60.2614, 66.7797, 87.1970



63.0218, 66.7797, 90.4571



65.9893, 66.7797, 88.6643

Triad

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



63.0218, 66.7797, 90.4571



68.8219, 66.7797, 65.8256



58.8350, 66.7797, 63.7525

Complementary

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



63.0218, 66.7797, 90.4571



71.3100, 73.9673, 63.9463

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.



61.0198, 66.7797, 58.7975



63.0218, 66.7797, 90.4571



66.7949, 66.7797, 59.9267

Square

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



63.0218, 66.7797, 90.4571



69.3985, 66.7797, 74.0121



63.9245, 66.7797, 57.4536



57.8930, 66.7797, 71.4267

Rectangle

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



63.0218, 66.7797, 90.4571



67.6771, 66.7797, 84.9143



63.9245, 66.7797, 57.4536



59.4450, 66.7797, 61.7381

Sweetspot

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



63.0238, 66.7825, 90.4586



88.2197, 93.0733, 107.9230



66.8713, 78.3588, 79.7756



18.6840, 19.7189, 23.0713



0.0000, 0.0000, 0.0000



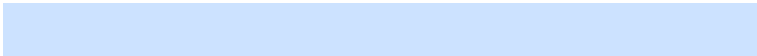
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0238, 66.7825, 90.4586



70.0608, 74.2752, 105.2517



59.6260, 58.9342, 89.1228



15.4496, 16.3333, 20.0600



11.3372, 8.8986, 46.2479



1.0397, 0.9334, 3.8796

Inverse Universe

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



67.7214, 63.4733, 72.9753



76.5162, 69.9191, 81.1831



75.1399, 82.9464, 65.4776



16.0516, 15.8704, 17.8281



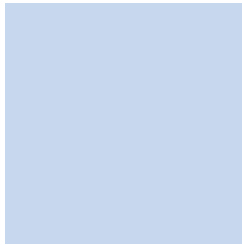
21.0481, 10.6917, 8.1699



1.7998, 0.9089, 0.9364

Previews

White Background



This preview shows how the XYZ color 63.0218, 66.7797, 90.4571 looks on a white background.

Color Contrast Check

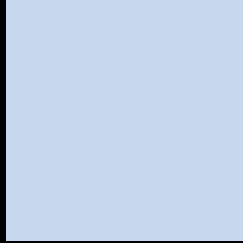
Large Text (above 18pt) WCAG AA × Fail

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 63.0218, 66.7797, 90.4571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

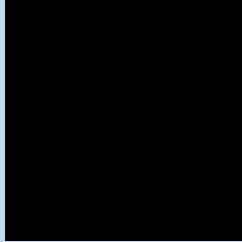
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

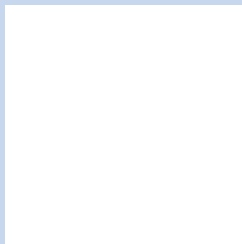
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0218, 66.7797, 90.4571

Background



This preview shows how black text looks on a background with the XYZ color 63.0218, 66.7797, 90.4571.



This preview shows how white text looks on a background with the XYZ color 63.0218, 66.7797,

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

63.0218, 66.7797, 90.4571

Protanopia

65.2621, 66.8447, 88.8195

Deuteranopia

68.1028, 66.7752, 91.7376



Tritanopia

62.2898, 66.8652, 86.7141

Trichromacy



Original Color

63.0218, 66.7797, 90.4571

Protanomaly

64.5339, 66.8247, 89.6179

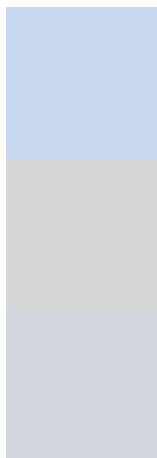
Deuteranomaly

66.3148, 66.9667, 91.0920

Tritanomaly

62.5772, 66.9802, 88.2276

Monochromacy



Original Color

63.0218, 66.7797, 90.4571

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.2438, 66.7770, 78.6632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0218, 66.7797, 90.4571 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(198, 215, 238)` looks like.

```
.text, #text, p{  
    color:rgb(198, 215, 238)  
}
```

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(198, 215, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 215, 238) }
```

Border

The CSS property to change the border of an element to XYZ 63.0218, 66.7797, 90.4571 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(198, 215, 238) }
```


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

```
.border{ border-color:rgb(198, 215, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 215, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 215, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 215, 238);  
box-shadow:4px 4px 4px 4px rgb(198, 215,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0218, 66.7797, 90.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 215, 238) }
```

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

```
.background{ background-color: rgb(198,  
215, 238) }
```

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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