

Converting Colors

XYZ(63.9201, 66.5837, 89.2482)

Have a look what the booklet for
XYZ(63.9201, 66.5837, 89.2482)
contains.

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Color

**XYZ(63.9822, 66.5403,
89.5921)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD5ED
RGB	204, 213, 237
RGB Percent	80%, 84%, 93%
CMY	0.2000, 0.1647, 0.0706
CMYK	0.14, 0.10, 0.00, 0.07
HSL	224°, 48%, 86%
HSV	224°, 14%, 93%
XYZ	63.9822, 66.5403, 89.5921
YIQ	213.0450, -13.0680, 5.5560

Conversions

Conversions Part 2

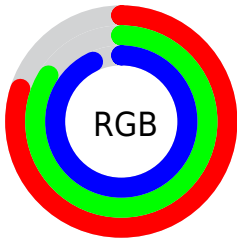
Format	Color
RYB	204, 211, 237
Decimal	13424109
CIELab	85.27, 1.69, -12.81
CIELCh	85, 12.919, 277.519
Yxy	66.5403, 0.2907, 0.3023
Android (android.graphics.Color)	4291614189 (0xFFCCD5ED)
YUV	213.0450, 11.8098, -7.9325
Hunter-Lab	81.5722, -2.7427, -8.0186

Details

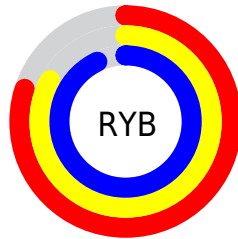
The XYZ color **63.9822, 66.5403, 89.5921** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.5681, 77.8508, 68.2775**, and the grayscale version is **63.2074, 66.4991, 72.4175**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1450, 34.2739, 48.5847** is the 20% darker color. If you saturate the color by 10%, you get **53.8672, 55.2303, 87.9432**, and if you desaturate by 10%, it is **75.5503, 79.2868, 91.4438**.

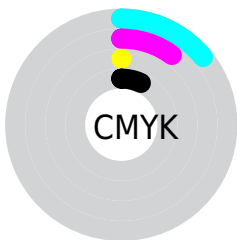
Distribution



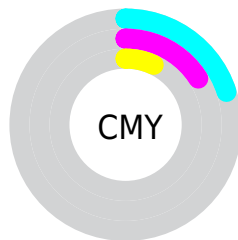
- Red (80%)
- Green (84%)
- Blue (93%)



- Red (80%)
- Yellow (83%)
- Blue (93%)



- Cyan (14%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9822, 66.5403, 89.5921 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 63.9822, 66.5403, 89.5921 by changing the saturation by 10% instead.

■ 63.9822, 66.5403,
89.5921

■ 63.9822, 66.5403,
89.5921

428.7286,
448.3067, 547.2389

■ 46.8979, 48.7111,
67.0706

109.6592,
114.2615, 148.7022

■ 33.1625, 34.3904,
48.6800

138.9826,
144.9222, 186.1279

■ 22.4108, 23.1937,
34.0019

173.1163,
180.6290, 229.3588

■ 14.2774, 14.7366,
22.6177

212.4259,
221.7662, 278.8133

■ 8.3968, 8.6347,
14.1088

257.2765,
268.7182, 334.9100

■ 4.4038, 4.5037,
8.0568

308.0336,

■ 1.9330, 1.9591,

321.8693, 398.0675

4.0430

365.0625,
381.6040, 468.7043

■ 0.5959, 0.5836,
1.6490

■ 0.0000, 0.0000,
0.3254

■ 63.9822, 66.5403,
89.5921

■ 63.9822, 66.5403,
89.5921

■ 53.8672, 55.2303,
87.9432

■ 75.5503, 79.2868,
91.4438

■ 45.1405, 45.2969,
86.4858

■ 88.6211, 93.5104,
93.5003

■ 37.7412, 36.6881,
85.2141

■ 92.2863, 98.8945,
94.3464

■ 31.6011, 29.3451,
84.1204

■ 26.6459, 23.2046,
83.1964

■ 22.7930, 18.1973,
82.4329

■ 19.9479, 14.2457,
81.8201

■ 17.9984, 11.2606,
81.3467

■ 17.1568, 9.8556,
81.1199

Harmonies

Analogous

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



61.1217, 66.5403, 88.3493



63.9822, 66.5403, 89.5921



66.7263, 66.5403, 85.9691

Triad

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



63.9822, 66.5403, 89.5921



67.8035, 66.5403, 63.0918



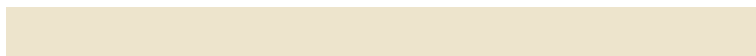
58.1967, 66.5403, 66.4743

Complementary

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



63.9822, 66.5403, 89.5921



73.5681, 77.8508, 68.2775

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.



59.8861, 66.5403, 60.4301



63.9822, 66.5403, 89.5921



65.4160, 66.5403, 58.5845

Square

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



63.9822, 66.5403, 89.5921



68.9763, 66.5403, 70.3670



62.5126, 66.5403, 57.6489



57.8395, 66.5403, 74.5759

Rectangle

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



63.9822, 66.5403, 89.5921



68.1006, 66.5403, 81.4347



62.5126, 66.5403, 57.6489



58.6251, 66.5403, 64.1537

Sweetspot

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



63.9842, 66.5431, 89.5936



89.0757, 93.4749, 107.9554



69.1424, 78.9890, 84.7477



18.8322, 19.7516, 23.0698



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.



63.9842, 66.5431, 89.5936



71.6156, 74.1952, 105.1543



63.7873, 63.1728, 88.9534



14.5656, 15.2176, 19.0918



9.4604, 5.5677, 44.3190



0.8207, 0.5928, 3.5060

Inverse Universe

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



68.5298, 65.9960, 72.0805



78.0797, 73.5256, 80.2256



73.7695, 81.7274, 69.0152



15.2343, 15.1216, 16.5190



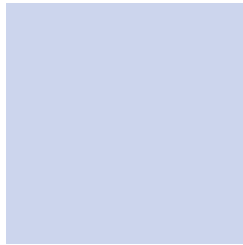
19.6305, 10.0549, 3.8553



1.5807, 0.8053, 0.5096

Previews

White Background



This preview shows how the XYZ color 63.9822, 66.5403, 89.5921 looks on a white background.

Color Contrast Check

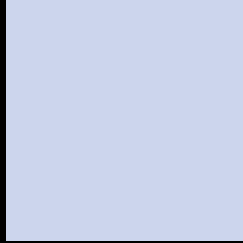
Large Text (above 18pt) WCAG AA × Fail

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 63.9822, 66.5403, 89.5921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

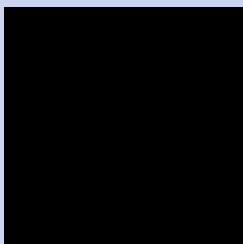
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9822, 66.5403, 89.5921

Background



This preview shows how black text looks on a background with the XYZ color 63.9822, 66.5403, 89.5921.

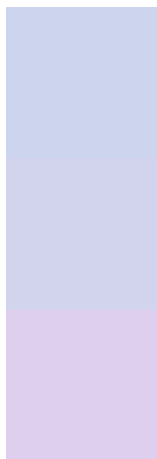


This preview shows how white text looks on a background with the XYZ color 63.9822, 66.5403,

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

63.9822, 66.5403, 89.5921

Protanopia

65.0129, 66.3463, 88.7364

Deuteranopia

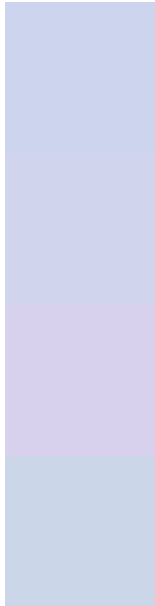
67.8696, 66.3283, 90.1144



Tritanopia

63.0990, 66.5592, 85.1228

Trichromacy



Original Color

63.9822, 66.5403, 89.5921

Protanomaly

64.6962, 66.5530, 88.7930

Deuteranomaly

66.2574, 66.2210, 90.1787

Tritanomaly

63.3831, 66.6728, 86.6193

Monochromacy



Original Color

63.9822, 66.5403, 89.5921

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.5574, 66.5641, 78.6056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9822, 66.5403, 89.5921 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(204, 213, 237)` looks like.

```
.text, #text, p{  
    color:rgb(204, 213, 237)  
}
```

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(204, 213, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 213, 237) }
```

Border

The CSS property to change the border of an element to XYZ 63.9822, 66.5403, 89.5921 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(204, 213, 237) }
```


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

```
.border{ border-color:rgb(204, 213, 237) }
```

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

Here you see how a box with a 4 pixel rgb(204, 213, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 213, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 213, 237);  
box-shadow:4px 4px 4px 4px rgb(204, 213,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9822, 66.5403, 89.5921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 213, 237) }
```

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

```
.background{ background-color: rgb(204,  
213, 237) }
```

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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