

Converting Colors

XYZ(63.6858, 67.4873, 91.3139)

Have a look what the booklet for
XYZ(63.6858, 67.4873, 91.3139)
contains.

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Color

**XYZ(63.6890, 67.4858,
91.3307)**

Conversions

Conversions Part 1

Format	Color
Hex	C7D8EF
RGB	199, 216, 239
RGB Percent	78%, 85%, 94%
CMY	0.2196, 0.1529, 0.0627
CMYK	0.17, 0.10, 0.00, 0.06
HSL	214°, 56%, 86%
HSV	214°, 17%, 94%
XYZ	63.6890, 67.4858, 91.3307
YIQ	213.5390, -17.5150, 3.5490

Conversions

Conversions Part 2

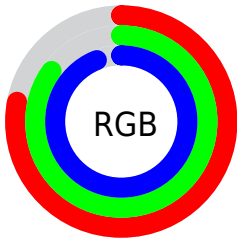
Format	Color
R _Y B	199, 211, 239
Decimal	13097199
CIE Lab	85.75, -1.04, -13.19
CIE LCh	86, 13.230, 265.501
Yxy	67.4858, 0.2862, 0.3033
Android (android.graphics.Color)	4291287279 (0xFFC7D8EF)
YUV	213.5390, 12.5523, -12.7507
Hunter-Lab	82.1497, -5.3747, -8.4114

Details

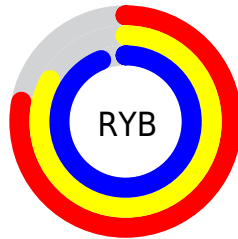
The XYZ color **63.6890, 67.4858, 91.3307** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.0272, 74.7167, 64.6597**, and the grayscale version is **63.5353, 66.8441, 72.7932**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9692, 34.9284, 49.8039** is the 20% darker color. If you saturate the color by 10%, you get **54.4648, 57.7227, 89.9335**, and if you desaturate by 10%, it is **74.2076, 78.3567, 92.8757**.

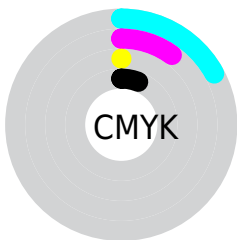
Distribution



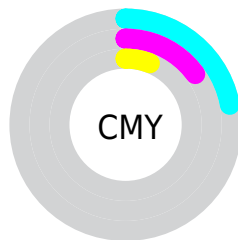
- Red (78%)
- Green (85%)
- Blue (94%)



- Red (78%)
- Yellow (83%)
- Blue (94%)



- Cyan (17%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (22%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6890, 67.4858, 91.3307 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 63.6890, 67.4858, 91.3307 by changing the saturation by 10% instead.

■ 63.6890, 67.4858,
91.3307

■ 63.6890, 67.4858,
91.3307

427.6857,
451.6720, 553.0315

■ 46.6596, 49.4795,
68.5049

109.2392,
115.6162, 151.1370

■ 32.9734, 35.0000,
49.8394

138.4906,
146.5092, 188.9547

■ 22.2652, 23.6629,
34.9155

172.5468,
182.4665, 232.6067

■ 14.1696, 15.0837,
23.3148

211.7730,
223.8725, 282.5117

■ 8.3212, 8.8782,
14.6186

256.5347,
271.1117, 339.0881

■ 4.3547, 4.6618,
8.4085

307.1971,

■ 1.9047, 2.0502,

324.5684, 402.7545

4.2659

364.1257,
384.6271, 473.9295

■ 0.5796, 0.6364,
1.7723

■ 0.0000, 0.0000,
0.4096

■ 63.6890, 67.4858,
91.3307

■ 63.6890, 67.4858,
91.3307

■ 54.4648, 57.7227,
89.9335

■ 74.2076, 78.3567,
92.8757

■ 46.4753, 49.0209,
88.6750

■ 86.0648, 90.3631,
94.5682

■ 39.6651, 41.3423,
87.5518

■ 92.5802, 99.0121,
95.8942

■ 33.9719, 34.6434,
86.5588

■ 29.3269, 28.8767,
85.6906

■ 25.6531, 23.9898,
84.9409

■ 22.8612, 19.9235,
84.3032

■ 20.8398, 16.6063,
83.7695

■ 20.2915, 15.6548,
83.6147

Harmonies

Analogous

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



60.9114, 67.4858, 88.0503



63.6890, 67.4858, 91.3307



66.6749, 67.4858, 89.5296

Triad

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



63.6890, 67.4858, 91.3307



69.5263, 67.4858, 66.5532



59.4773, 67.4858, 64.4613

Complementary

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



63.6890, 67.4858, 91.3307



72.0272, 74.7167, 64.6597

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.



61.6765, 67.4858, 59.4741



63.6890, 67.4858, 91.3307



67.4874, 67.4858, 60.6138

Square

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



63.6890, 67.4858, 91.3307



70.1058, 67.4858, 74.7923



64.5996, 67.4858, 58.1224



58.5287, 67.4858, 72.1843

Rectangle

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



63.6890, 67.4858, 91.3307



68.3732, 67.4858, 85.7591



64.5996, 67.4858, 58.1224



60.0914, 67.4858, 62.4338

Sweetspot

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



63.6910, 67.4886, 91.3322



88.2197, 93.0733, 107.9230



67.5611, 79.1324, 80.5877



18.6840, 19.7189, 23.0713



0.0000, 0.0000, 0.0000



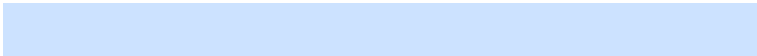
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6910, 67.4886, 91.3322



70.0608, 74.2753, 105.2517



60.2717, 59.5904, 89.9879



15.4496, 16.3333, 20.0600



11.3372, 8.8987, 46.2480



1.0397, 0.9335, 3.8796

Inverse Universe

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



68.4163, 64.1570, 73.7465



76.5162, 69.9191, 81.1833



75.8794, 83.7477, 66.1998



16.0516, 15.8704, 17.8281



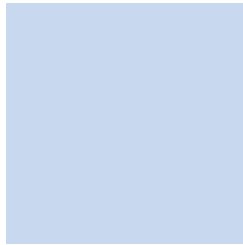
21.0481, 10.6917, 8.1700



1.7998, 0.9089, 0.9364

Previews

White Background



This preview shows how the XYZ color 63.6890, 67.4858, 91.3307 looks on a white background.

Color Contrast Check

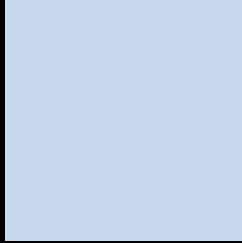
Large Text (above 18pt) WCAG AA × Fail

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 63.6890, 67.4858, 91.3307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

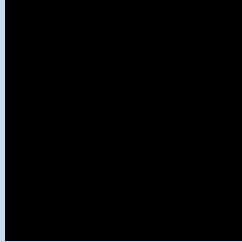
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6890, 67.4858, 91.3307

Background



This preview shows how black text looks on a background with the XYZ color 63.6890, 67.4858, 91.3307.



This preview shows how white text looks on a background with the XYZ color 63.6890, 67.4858,

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

63.6890, 67.4858, 91.3307

Protanopia

65.9443, 67.5518, 89.6839

Deuteranopia

68.8645, 67.1506, 92.5509



Tritanopia

62.9528, 67.5720, 87.5666

Trichromacy



Original Color

63.6890, 67.4858, 91.3307

Protanomaly

65.2113, 67.5316, 90.4868

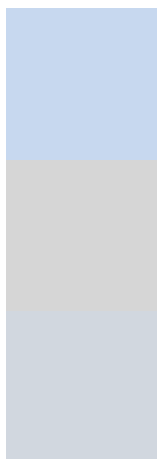
Deuteranomaly

66.7540, 67.1759, 91.8860

Tritanomaly

63.2419, 67.6876, 89.0887

Monochromacy



Original Color

63.6890, 67.4858, 91.3307

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.9142, 67.4839, 79.4691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6890, 67.4858, 91.3307 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, 216, 239)` looks like.

```
.text, #text, p{  
    color:rgb(199, 216, 239)  
}
```

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, 216, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 216, 239) }
```

Border

The CSS property to change the border of an element to XYZ 63.6890, 67.4858, 91.3307 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, 216, 239) }
```


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

```
.border{ border-color:rgb(199, 216, 239) }
```

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

Here you see how a box with a 4 pixel rgb(199, 216, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 216, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 216, 239);  
box-shadow:4px 4px 4px 4px rgb(199, 216,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6890, 67.4858, 91.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 216, 239) }
```

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

```
.background{ background-color: rgb(199,  
216, 239) }
```

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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