

Converting Colors

XYZ(63.5292, 68.1377, 88.4901)

Have a look what the booklet for
XYZ(63.5292, 68.1377, 88.4901)
contains.

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Color

**XYZ(63.6200, 68.2831,
88.4241)**

Conversions

Conversions Part 1

Format	Color
Hex	C7DAEB
RGB	199, 218, 235
RGB Percent	78%, 85%, 92%
CMY	0.2196, 0.1451, 0.0784
CMYK	0.15, 0.07, 0.00, 0.08
HSL	208°, 47%, 85%
HSV	208°, 15%, 92%
XYZ	63.6200, 68.2831, 88.4241
YIQ	214.2570, -16.7810, 1.2590

Conversions

Conversions Part 2

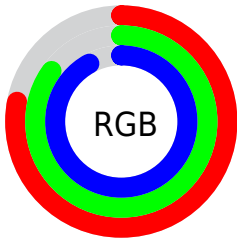
Format	Color
RYB	199, 211, 235
Decimal	13097707
CIELab	86.15, -2.92, -10.48
CIELCh	86, 10.876, 254.448
Yxy	68.2831, 0.2888, 0.3099
Android (android.graphics.Color)	4291287787 (0xFFC7DAEB)
YUV	214.2570, 10.2263, -13.3804
Hunter-Lab	82.6336, -7.1808, -5.6012

Details

The XYZ color **63.6200, 68.2831, 88.4241** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.1261, 70.8973, 64.0754**, and the grayscale version is **64.0326, 67.3673, 73.3630**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9109, 35.4688, 47.7594** is the 20% darker color. If you saturate the color by 10%, you get **55.0786, 59.7521, 87.2287**, and if you desaturate by 10%, it is **73.3210, 77.7013, 89.7318**.

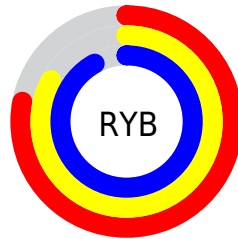
Distribution



Red (78%)

Green (85%)

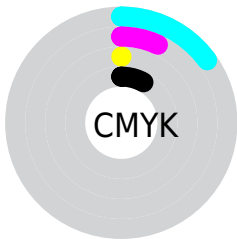
Blue (92%)



Red (78%)

Yellow (83%)

Blue (92%)

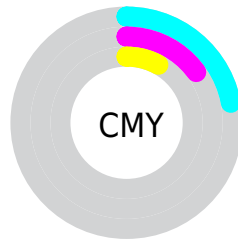


Cyan (15%)

Magenta (7%)

Yellow (0%)

Black (8%)



Cyan (22%)

Magenta (15%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6200, 68.2831, 88.4241 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 63.6200, 68.2831, 88.4241 by changing the saturation by 10% instead.

■ 63.6200, 68.2831,
88.4241

■ 63.6200, 68.2831,
88.4241

427.4401,
454.4984, 543.3283

■ 46.6035, 50.1281,
66.1080

109.1403,
116.7570, 147.0638

■ 32.9289, 35.5152,
47.9031

138.3748,
147.8448, 184.2245

■ 22.2310, 24.0600,
33.3907

172.4127,
184.0122, 227.1704

■ 14.1443, 15.3781,
22.1523

211.6193,
225.6437, 276.3202

■ 8.3035, 9.0852,
13.7695

256.3600,
273.1236, 332.0923

■ 4.3432, 4.7968,
7.8236

307.0001,

■ 1.8980, 2.1285,

326.8365, 394.9054

3.8961

363.9050,
387.1666, 465.1779

■ 0.5757, 0.6806,
1.5685

■ 0.0000, 0.0000,
0.2682

■ 63.6200, 68.2831,
88.4241

■ 63.6200, 68.2831,
88.4241

■ 55.0786, 59.7521,
87.2287

■ 73.3210, 77.7013,
89.7318

■ 47.6429, 52.0698,
86.1378

■ 84.2202, 88.0269,
91.1504

■ 41.2635, 45.2067,
85.1493

■ 90.8237, 96.4345,
92.4252

■ 35.8848, 39.1283,
84.2595

■ 91.9956, 98.7782,
92.8158

■ 31.4456, 33.7968,
83.4644

■ 27.8769, 29.1705,
82.7596

■ 25.0993, 25.2017,
82.1399

■ 23.0157, 21.8336,
81.5996

■ 22.2092, 20.4254,
81.3703

Harmonies

Analogous

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



61.5276, 68.2831, 84.4176



63.6200, 68.2831, 88.4241



66.1084, 68.2831, 88.5013

Triad

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



63.6200, 68.2831, 88.4241



69.6709, 68.2831, 70.9647



61.5909, 68.2831, 64.9423

Complementary

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



63.6200, 68.2831, 88.4241



69.1261, 70.8973, 64.0754

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.



63.7084, 68.2831, 61.7915



63.6200, 68.2831, 88.4241



68.3955, 68.2831, 65.1141

Square

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



63.6200, 68.2831, 88.4241



69.6458, 68.2831, 78.1034



66.1992, 68.2831, 61.8523



60.3769, 68.2831, 70.7163

Rectangle

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



63.6200, 68.2831, 88.4241



67.6598, 68.2831, 86.2961



66.1992, 68.2831, 61.8523



62.2183, 68.2831, 63.5583

Sweetspot

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



63.6220, 68.2859, 88.4256



88.6234, 93.8806, 108.0576



65.6316, 76.5075, 76.1398



18.7820, 19.9150, 23.1040



0.0000, 0.0000, 0.0000



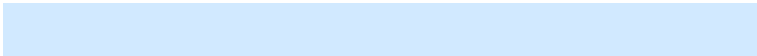
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6220, 68.2859, 88.4256



73.6049, 79.2540, 106.0259



59.2505, 59.5430, 86.9685



14.8894, 15.8652, 19.1998



12.4893, 11.6255, 45.3287



1.0769, 1.1054, 3.5915

Inverse Universe

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



67.3409, 63.5725, 75.0544



78.8200, 72.8120, 87.2371



73.9368, 80.5187, 65.6790



15.3977, 15.1869, 17.3796



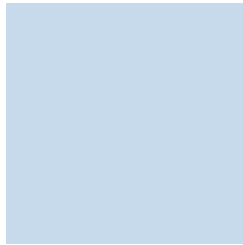
21.1593, 10.6664, 11.9061



1.7101, 0.8570, 1.1907

Previews

White Background



This preview shows how the XYZ color 63.6200, 68.2831, 88.4241 looks on a white background.

Color Contrast Check

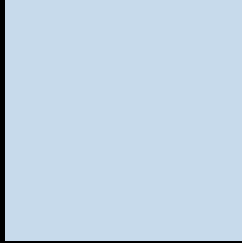
Large Text (above 18pt) WCAG AA × Fail

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 63.6200, 68.2831, 88.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

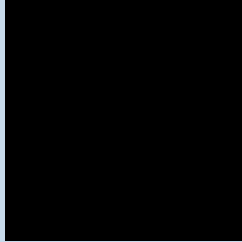
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

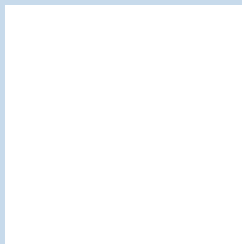
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6200, 68.2831, 88.4241

Background



This preview shows how black text looks on a background with the XYZ color 63.6200, 68.2831, 88.4241.



This preview shows how white text looks on a background with the XYZ color 63.6200, 68.2831,

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

63.6200, 68.2831, 88.4241

Protanopia

66.3436, 68.2155, 86.0141

Deuteranopia

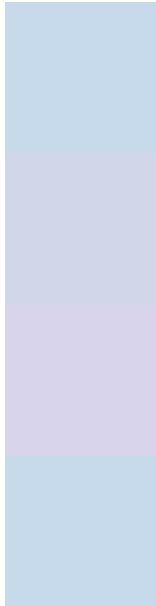
69.4506, 67.8841, 89.5633



Tritanopia

63.6200, 68.2831, 88.4241

Trichromacy



Original Color

63.6200, 68.2831, 88.4241

Protanomaly

65.3029, 68.0394, 86.7819

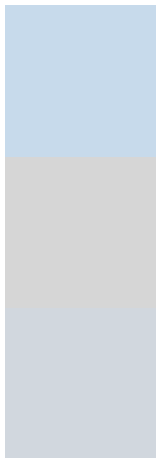
Deuteranomaly

67.0027, 67.7420, 88.9010

Tritanomaly

63.6200, 68.2831, 88.4241

Monochromacy



Original Color

63.6200, 68.2831, 88.4241

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.7798, 67.4301, 78.7610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6200, 68.2831, 88.4241 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, 218, 235)` looks like.

```
.text, #text, p{  
    color:rgb(199, 218, 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(199, 218, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 218, 235) }
```

Border

The CSS property to change the border of an element to XYZ 63.6200, 68.2831, 88.4241 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, 218, 235) }
```


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

```
.border{ border-color:rgb(199, 218, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 218, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 218, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 218, 235);  
box-shadow:4px 4px 4px 4px rgb(199, 218,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6200, 68.2831, 88.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 218, 235) }
```

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

```
.background{ background-color: rgb(199,  
218, 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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