

Converting Colors

XYZ(63.0904, 68.7892, 88.5323)

Have a look what the booklet for
XYZ(63.0904, 68.7892, 88.5323)
contains.

XYZ(63.0943, 68.7867, 88.5490)	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(63.0943, 68.7867,
88.5490)**

Conversions

Conversions Part 1

Format	Color
Hex	C3DCEB
RGB	195, 220, 235
RGB Percent	76%, 86%, 92%
CMY	0.2353, 0.1372, 0.0784
CMYK	0.17, 0.06, 0.00, 0.08
HSL	202°, 50%, 84%
HSV	202°, 17%, 92%
XYZ	63.0943, 68.7867, 88.5490
YIQ	214.2350, -19.7150, -0.6350

Conversions

Conversions Part 2

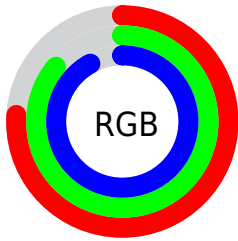
Format	Color
R _Y B	195, 210, 235
Decimal	12836075
CIE Lab	86.40, -5.20, -10.13
CIE LCh	86, 11.392, 242.819
Yxy	68.7867, 0.2862, 0.3121
Android (android.graphics.Color)	4291026155 (0xFFC3DCEB)
YUV	214.2350, 10.2371, -16.8691
Hunter-Lab	82.9377, -9.3485, -5.2449

Details

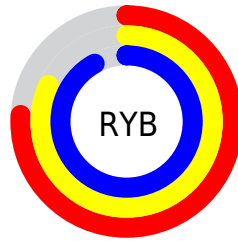
The XYZ color **63.0943, 68.7867, 88.5490** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.1584, 67.6954, 61.1581**, and the grayscale version is **64.0191, 67.3531, 73.3475**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **32.5763, 35.8277, 47.8463** is the 20% darker color. If you saturate the color by 10%, you get **55.2423, 61.3976, 87.5377**, and if you desaturate by 10%, it is **72.0279, 76.9179, 89.6487**.

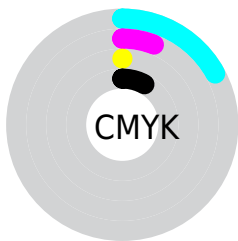
Distribution



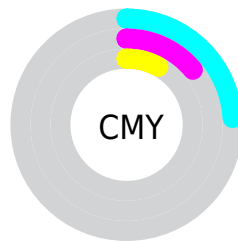
- Red (76%)
- Green (86%)
- Blue (92%)



- Red (76%)
- Yellow (82%)
- Blue (92%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (24%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0943, 68.7867, 88.5490 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 63.0943, 68.7867, 88.5490 by changing the saturation by 10% instead.

■ 63.0943, 68.7867,
88.5490

■ 63.0943, 68.7867,
88.5490

425.5659,
456.2783, 543.7472

■ 46.1764, 50.5380,
66.2109

108.3866,
117.4769, 147.2391

■ 32.5903, 35.8411,
47.9861

137.4917,
148.6871, 184.4282

■ 21.9705, 24.3115,
33.4559

171.3900,
184.9867, 227.4047

■ 13.9517, 15.5648,
22.2020

210.4468,
226.7600, 276.5871

■ 8.1686, 9.2168,
13.8057

255.0274,
274.3915, 332.3941

■ 4.2557, 4.8828,
7.8484

305.4972,

■ 1.8478, 2.1787,

328.2654, 395.2440

3.9117

362.2216,
388.7662, 465.5556

■ 0.5462, 0.7083,
1.5770

■ 0.0000, 0.0000,
0.2744

■ 63.0943, 68.7867,
88.5490

■ 63.0943, 68.7867,
88.5490

■ 55.2423, 61.3976,
87.5377

■ 72.0279, 76.9179,
89.6487

■ 48.4192, 54.7154,
86.6075

■ 82.0804, 85.8077,
90.8348

■ 42.5772, 48.7142,
85.7571

■ 89.3245, 93.4361,
91.9254

■ 37.6617, 43.3632,
84.9833

■ 91.9956, 98.7782,
92.8158

■ 33.6124, 38.6282,
84.2828

■ 30.3613, 34.4712,
83.6518

■ 27.8288, 30.8479,
83.0859

■ 25.9128, 27.7026,
82.5797

■ 25.4127, 26.8324,
82.4382

Harmonies

Analogous

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



61.2169, 68.7867, 83.0331



63.0943, 68.7867, 88.5490



65.6290, 68.7867, 90.3314

Triad

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



63.0943, 68.7867, 88.5490



70.5675, 68.7867, 74.1862



62.6741, 68.7867, 63.3614

Complementary

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



63.0943, 68.7867, 88.5490



67.1584, 67.6954, 61.1581

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.



65.1310, 68.7867, 61.3292



63.0943, 68.7867, 88.5490



69.7271, 68.7867, 67.3106

Square

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



63.0943, 68.7867, 88.5490



69.9873, 68.7867, 81.7171



67.7196, 68.7867, 62.7257



60.9789, 68.7867, 68.4673

Rectangle

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



63.0943, 68.7867, 88.5490



67.3628, 68.7867, 89.0715



67.7196, 68.7867, 62.7257



63.4359, 68.7867, 62.3123

Sweetspot

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



63.0963, 68.7895, 88.5505



89.0077, 94.6493, 108.1857



63.8067, 75.6566, 71.9968



18.8755, 20.1019, 23.1352



0.0000, 0.0000, 0.0000



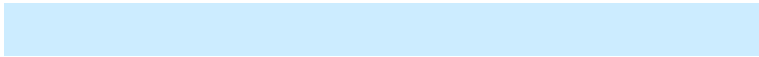
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0963, 68.7895, 88.5505



72.9124, 79.9784, 106.2022



58.2340, 59.0648, 86.9298



15.0156, 16.1177, 19.2419



14.2697, 15.1863, 45.9221



1.2124, 1.3763, 3.6366

Inverse Universe

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



66.6960, 61.8613, 76.1386



77.9556, 70.4948, 88.7627



72.3166, 78.0118, 62.8775



15.4615, 15.2124, 17.7153



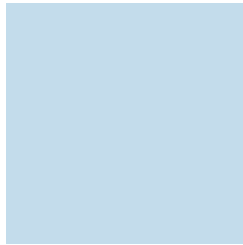
22.0580, 11.0259, 16.6385



1.7785, 0.8843, 1.5508

Previews

White Background



This preview shows how the XYZ color 63.0943, 68.7867, 88.5490 looks on a white background.

Color Contrast Check

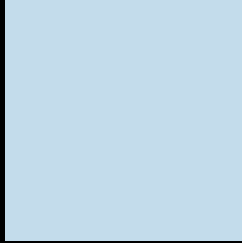
Large Text (above 18pt) WCAG AA × Fail

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 63.0943, 68.7867, 88.5490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

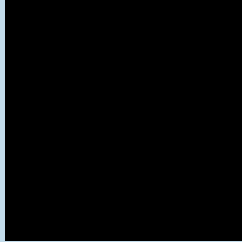
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

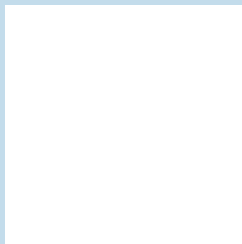
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0943, 68.7867, 88.5490

Background



This preview shows how black text looks on a background with the XYZ color 63.0943, 68.7867, 88.5490.

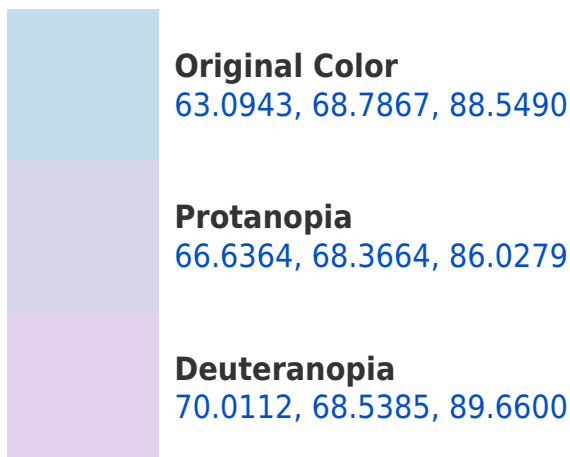


This preview shows how white text looks on a background with the XYZ color 63.0943, 68.7867,

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





Tritanopia

63.3849, 68.9029, 90.0796

Trichromacy



Original Color

63.0943, 68.7867, 88.5490

Protanomaly

65.2763, 68.4048, 86.8538

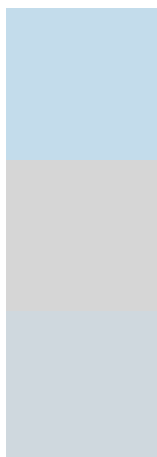
Deuteranomaly

67.2112, 68.5963, 89.0549

Tritanomaly

63.2392, 68.8446, 89.3122

Monochromacy



Original Color

63.0943, 68.7867, 88.5490

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.4728, 67.6511, 78.8198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0943, 68.7867, 88.5490 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(195, 220, 235)` looks like.

```
.text, #text, p{  
    color:rgb(195, 220, 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(195, 220, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 220, 235) }
```

Border

The CSS property to change the border of an element to XYZ 63.0943, 68.7867, 88.5490 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(195, 220, 235) }
```


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

```
.border{ border-color:rgb(195, 220, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 220, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 220, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 220, 235); box-shadow:4px 4px 4px 4px rgb(195, 220, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0943, 68.7867, 88.5490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 220, 235) }
```

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

```
.background{ background-color: rgb(195,  
220, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor