

Converting Colors

XYZ(63.9608, 67.4142,
100.9079)

Have a look what the booklet for
XYZ(63.9608, 67.4142, 100.9079)
contains.

XYZ(63.9608, 67.4142, 100.9079)	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(63.9608, 67.4142,
100.9079)**

Conversions

Conversions Part 1

Format	Color
Hex	C1D8FB
RGB	193, 216, 251
RGB Percent	76%, 85%, 98%
CMY	0.2431, 0.1529, 0.0157
CMYK	0.23, 0.14, 0.00, 0.02
HSL	216°, 88%, 87%
HSV	216°, 23%, 98%
XYZ	63.9608, 67.4142, 100.9079
YIQ	213.1130, -24.9430, 6.0090

Conversions

Conversions Part 2

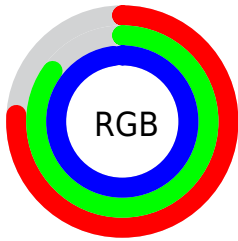
Format	Color
RYB	193, 209, 251
Decimal	12703995
CIELab	85.71, -0.26, -19.63
CIElCh	86, 19.628, 269.238
Yxy	67.4142, 0.2754, 0.2902
Android (android.graphics.Color)	4290894075 (0xFFC1D8FB)
YUV	213.1130, 18.6783, -17.6391
Hunter-Lab	82.1062, -4.6340, -15.3927

Details

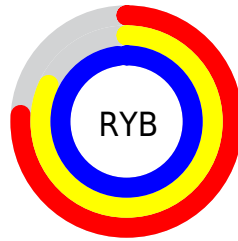
The XYZ color **63.9608, 67.4142, 100.9079** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.1536, 79.8468, 61.7994**, and the grayscale version is **63.2141, 66.5061, 72.4252**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **33.1299, 34.8737, 56.0241** is the 20% darker color. If you saturate the color by 10%, you get **54.3943, 56.9866, 99.4005**, and if you desaturate by 10%, it is **74.9751, 79.1224, 102.5884**.

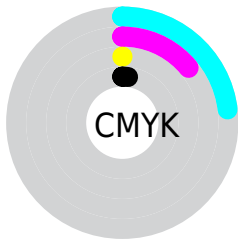
Distribution



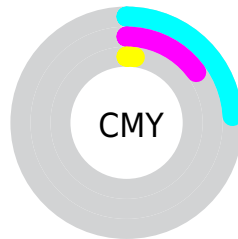
- Red (76%)
- Green (85%)
- Blue (98%)



- Red (76%)
- Yellow (82%)
- Blue (98%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)



- Cyan (24%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9608, 67.4142, 100.9079 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 63.9608, 67.4142, 100.9079 by changing the saturation by 10% instead.

■ 63.9608, 67.4142,
100.9079

■ 63.9608, 67.4142,
100.9079

428.6525,
451.4177, 584.3711

■ 46.8805, 49.4213,
76.4379

■ 109.6285,
115.5137, 164.4670

■ 33.1487, 34.9538,
56.2828

138.9467,
146.3891, 204.3932

■ 22.4002, 23.6273,
40.0242

173.0748,
182.3275, 250.3085

■ 14.2695, 15.0574,
27.2435

212.3782,
223.7133, 302.6315

■ 8.3913, 8.8597,
17.5221

257.2224,
270.9307, 361.7808

■ 4.4002, 4.6498,
10.4416

307.9726,

■ 1.9310, 2.0433,

324.3644, 428.1747

5.5833

364.9942,
384.3986, 502.2320

■ 0.5947, 0.6324,
2.5287

■ 0.0000, 0.0000,
0.8553

■ 63.9608, 67.4142,
100.9079

■ 63.9608, 67.4142,
100.9079

■ 54.3943, 56.9866,
99.4005

■ 74.9751, 79.1224,
102.5884

■ 46.2048, 47.7840,
98.0559

■ 87.4910, 92.1477,
104.4429

■ 39.3249, 39.7583,
96.8694

■ 94.4128, 99.7451,
105.5445

■ 33.6784, 32.8547,
95.8344

■ 29.1805, 27.0130,
94.9439

■ 25.7342, 22.1659,
94.1900

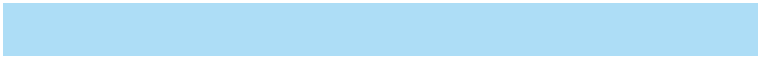
■ 23.2236, 18.2354,
93.5636

■ 21.9263, 15.9921,
93.1990

Harmonies

Analogous

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



59.7735, 67.4142, 96.6836



63.9608, 67.4142, 100.9079



68.3712, 67.4142, 97.0779

Triad

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



63.9608, 67.4142, 100.9079



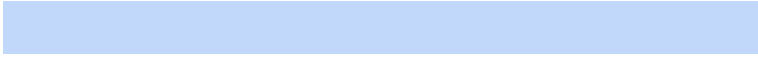
71.8818, 67.4142, 62.0104



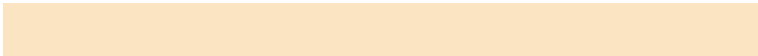
56.9610, 67.4142, 61.5045

Complementary

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



63.9608, 67.4142, 100.9079



77.1536, 79.8468, 61.7994

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.



59.9630, 67.4142, 53.9281



63.9608, 67.4142, 100.9079



68.5784, 67.4142, 54.1954

Square

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



63.9608, 67.4142, 100.9079



73.0712, 67.4142, 73.7308



64.1897, 67.4142, 51.4134



55.8495, 67.4142, 73.0753

Rectangle

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



63.9608, 67.4142, 100.9079



70.8170, 67.4142, 90.6994



64.1897, 67.4142, 51.4134



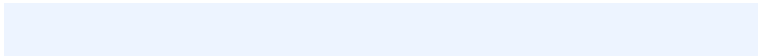
57.7754, 67.4142, 58.4578

Sweetspot

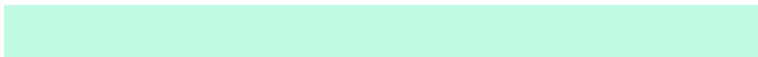
The Sweet Spot groups the original color and five complimentary colors.



63.9629, 67.4169, 100.9094



85.4448, 90.0896, 107.4934



70.4668, 85.9235, 86.1257



18.1193, 19.1069, 22.9830



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.



63.9629, 67.4169, 100.9094



61.2440, 64.4061, 103.8114



59.9844, 57.2216, 99.1512



16.8478, 17.7725, 21.9277



11.6577, 8.6710, 49.0328



1.1800, 1.0036, 4.5747

Inverse Universe

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



71.2500, 63.6089, 73.4911



70.1706, 60.1243, 70.1386



81.8501, 92.2943, 63.9545



17.5297, 17.3392, 19.3793



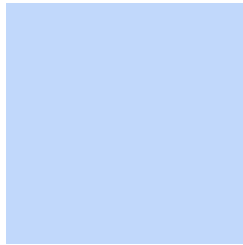
22.1763, 11.2862, 7.6368



2.1045, 1.0655, 0.9738

Previews

White Background



This preview shows how the XYZ color 63.9608, 67.4142, 100.9079 looks on a white background.

Color Contrast Check

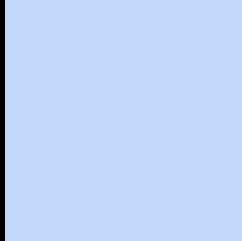
Large Text (above 18pt) WCAG AA × Fail

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 63.9608, 67.4142, 100.9079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

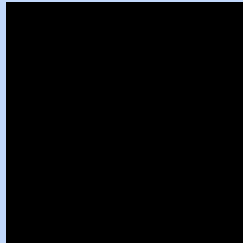
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

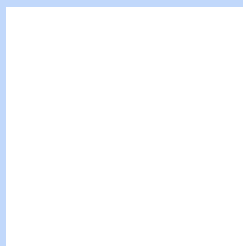
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9608, 67.4142, 100.9079

Background



This preview shows how black text looks on a background with the XYZ color 63.9608, 67.4142, 100.9079.



This preview shows how white text looks on a background with the XYZ color 63.9608, 67.4142,

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

63.9608, 67.4142, 100.9079

Protanopia

66.2189, 67.1297, 98.2741

Deuteranopia

68.6901, 67.2281, 101.4514



Tritanopia

61.7070, 67.6663, 89.1655

Trichromacy



Original Color

63.9608, 67.4142, 100.9079

Protanomaly

65.2503, 66.9846, 99.1128

Deuteranomaly

67.1266, 67.5251, 101.5912

Tritanomaly

62.4344, 67.5700, 92.9708

Monochromacy



Original Color

63.9608, 67.4142, 100.9079

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.3653, 66.7610, 82.2195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9608, 67.4142, 100.9079 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(193, 216, 251)` looks like.

```
.text, #text, p{  
    color:rgb(193, 216, 251)  
}
```

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(193, 216, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 216, 251) }
```

Border

The CSS property to change the border of an element to XYZ 63.9608, 67.4142, 100.9079 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(193, 216, 251) }
```


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

```
.border{ border-color:rgb(193, 216, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 216, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 216, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 216, 251);  
box-shadow:4px 4px 4px 4px rgb(193, 216,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9608, 67.4142, 100.9079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 216, 251) }
```

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

```
.background{ background-color: rgb(193,  
216, 251) }
```

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