

Converting Colors

XYZ(67.6408, 68.7936,
124.8185)

Have a look what the booklet for
XYZ(67.6408, 68.7936, 124.8185)
contains.

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Color

**XYZ(63.8411, 67.2789,
104.2291)**

Conversions

Conversions Part 1

Format	Color
Hex	BED8FF
RGB	190, 216, 255
RGB Percent	75%, 85%, 100%
CMY	0.2549, 0.1529, 0.0000
CMYK	0.25, 0.15, 0.00, 0.00
HSL	216°, 100%, 87%
HSV	216°, 25%, 100%
XYZ	63.8411, 67.2789, 104.2291
YIQ	212.6720, -28.0150, 6.6170

Conversions

Conversions Part 2

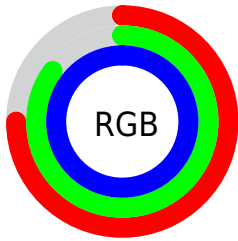
Format	Color
R _Y B	190, 209, 255
Decimal	12507391
CIE Lab	85.64, -0.24, -21.86
CIE LCh	86, 21.861, 269.368
Yxy	67.2789, 0.2713, 0.2859
Android (android.graphics.Color)	4290697471 (0xFFBED8FF)
YUV	212.6720, 20.8677, -19.8833
Hunter-Lab	82.0237, -4.6105, -17.9243

Details

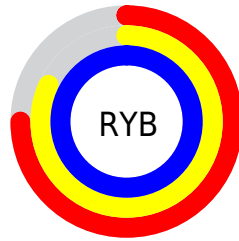
The XYZ color **63.8411, 67.2789, 104.2291** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.5536, 81.0159, 60.2144**, and the grayscale version is **62.9070, 66.1830, 72.0733**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **32.9296, 34.7179, 58.3917** is the 20% darker color. If you saturate the color by 10%, you get **54.2819, 56.8022, 102.7107**, and if you desaturate by 10%, it is **74.8832, 79.0652, 105.9221**.

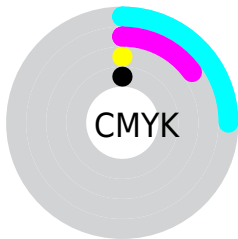
Distribution



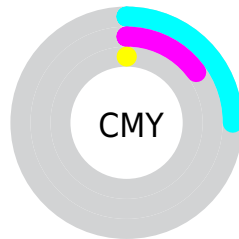
- Red (75%)
- Green (85%)
- Blue (100%)



- Red (75%)
- Yellow (82%)
- Blue (100%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8411, 67.2789, 104.2291 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 63.8411, 67.2789, 104.2291 by changing the saturation by 10% instead.

■ 63.8411, 67.2789,
104.2291

■ 63.8411, 67.2789,
104.2291

428.2269,
450.9369, 595.0302

■ 46.7832, 49.3113,
79.2006

■ 109.4571,
115.3200, 169.0593

■ 33.0715, 34.8665,
58.5385

138.7459,
146.1622, 209.6980

■ 22.3407, 23.5601,
41.8241

172.8423,
182.0648, 256.3773

■ 14.2255, 15.0076,
28.6391

212.1118,
223.4122, 309.5156

■ 8.3604, 8.8247,
18.5647

256.9196,
270.5887, 369.5315

■ 4.3802, 4.6270,
11.1826

307.6312,

■ 1.9194, 2.0301,

323.9787, 436.8436

6.0741

364.6118,
383.9666, 511.8703

■ 0.5881, 0.6249,
2.8206

■ 0.0000, 0.0000,
1.0038

■ 63.8411, 67.2789,
104.2291

■ 63.8411, 67.2789,
104.2291

■ 54.2819, 56.8022,
102.7107

■ 74.8832, 79.0652,
105.9221

■ 46.1321, 47.5774,
101.3597

■ 87.4660, 92.2000,
107.7942

■ 39.3198, 39.5538,
100.1700

95.0500, 100.0000,
108.9000

■ 33.7642, 32.6737,
99.1348

■ 29.3748, 26.8735,
98.2466

■ 26.0471, 22.0814,
97.4970

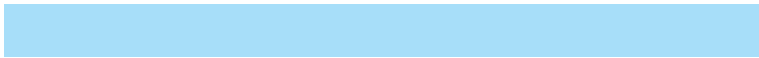
■ 23.6539, 18.2129,
96.8765

■ 22.8023, 16.7246,
96.6341

Harmonies

Analogous

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



59.1923, 67.2789, 99.4665



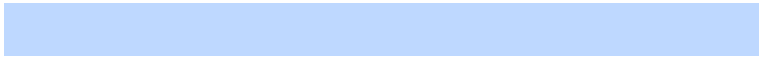
63.8411, 67.2789, 104.2291



68.7568, 67.2789, 99.8375

Triad

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



63.8411, 67.2789, 104.2291



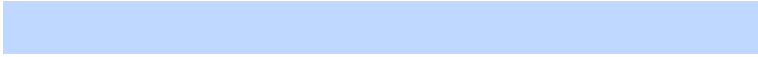
72.6566, 67.2789, 60.6166



56.0587, 67.2789, 60.1563

Complementary

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



63.8411, 67.2789, 104.2291



78.5536, 81.0159, 60.2144

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.



59.3661, 67.2789, 51.8674



63.8411, 67.2789, 104.2291



68.9488, 67.2789, 52.1079

Square

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



63.8411, 67.2789, 104.2291



74.0037, 67.2789, 73.5579



64.0522, 67.2789, 49.1200



54.8446, 67.2789, 72.9535

Rectangle

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



63.8411, 67.2789, 104.2291



71.4896, 67.2789, 92.5965



64.0522, 67.2789, 49.1200



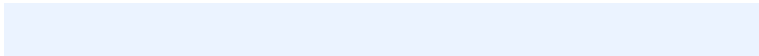
56.9537, 67.2789, 56.8143

Sweetspot

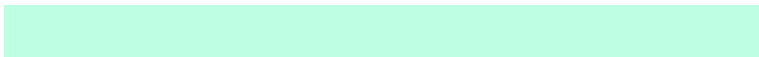
The Sweet Spot groups the original color and five complimentary colors.



63.8430, 67.2815, 104.2295



84.1581, 88.7722, 107.3069



70.9882, 88.0644, 86.5958



17.5993, 18.5703, 22.9068



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.



63.8430, 67.2815, 104.2295



58.3951, 61.3480, 103.3713



59.0784, 55.7064, 102.2464



17.5993, 18.5703, 22.9068



12.0510, 9.0116, 50.5388



1.2768, 1.0843, 4.9553

Inverse Universe

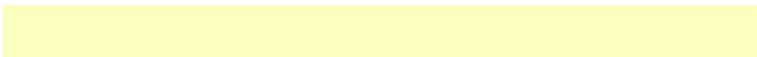
The Inverse Universe completely reimagines the original color for something new.



72.0494, 63.0464, 73.3404



68.0882, 56.8241, 66.7789



84.3299, 95.4850, 62.7028



18.3104, 18.1075, 20.2518



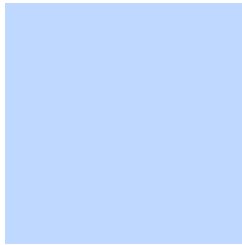
22.8710, 11.6377, 7.9711



2.2791, 1.1540, 1.0510

Previews

White Background



This preview shows how the XYZ color 63.8411, 67.2789, 104.2291 looks on a white background.

Color Contrast Check

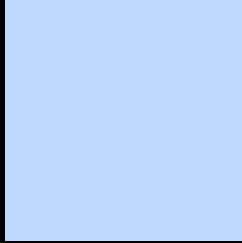
Large Text (above 18pt) WCAG AA × Fail

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 63.8411, 67.2789, 104.2291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

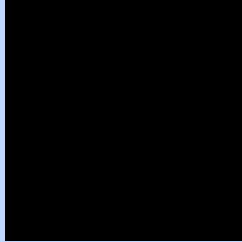
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

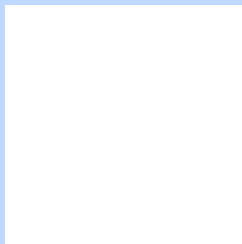
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8411, 67.2789, 104.2291

Background



This preview shows how black text looks on a background with the XYZ color 63.8411, 67.2789, 104.2291.



This preview shows how white text looks on a background with the XYZ color 63.8411, 67.2789,

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

63.8411, 67.2789, 104.2291

Protanopia

66.5678, 67.2371, 101.5650

Deuteranopia

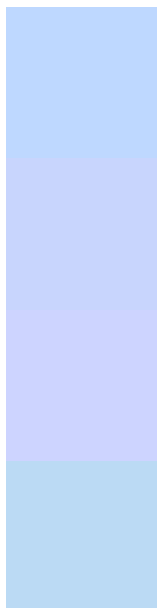
68.2910, 66.9671, 103.9344



Tritanopia

60.8673, 67.2166, 89.8868

Trichromacy



Original Color

63.8411, 67.2789, 104.2291

Protanomaly

65.3433, 66.9597, 102.4091

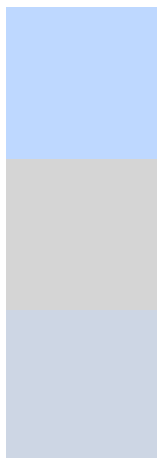
Deuteranomaly

66.7703, 67.2861, 104.0761

Tritanomaly

61.8941, 67.2393, 95.3043

Monochromacy



Original Color

63.8411, 67.2789, 104.2291

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.2270, 66.6737, 82.9357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8411, 67.2789, 104.2291 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(190, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 216, 255)  
}
```

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(190, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.8411, 67.2789, 104.2291 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(190, 216, 255) }
```


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

```
.border{ border-color:rgb(190, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8411, 67.2789, 104.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 216, 255) }
```

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

```
.background{ background-color: rgb(190,  
216, 255) }
```

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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