

Converting Colors

XYZ(68.6098, 75.6044,
109.7809)

Have a look what the booklet for
XYZ(68.6098, 75.6044, 109.7809)
contains.

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Color

**XYZ(67.8611, 75.3190,
105.5691)**

Conversions

Conversions Part 1

Format	Color
Hex	BEE7FF
RGB	190, 231, 255
RGB Percent	75%, 91%, 100%
CMY	0.2549, 0.0941, 0.0000
CMYK	0.25, 0.09, 0.00, 0.00
HSL	202°, 100%, 87%
HSV	202°, 25%, 100%
XYZ	67.8611, 75.3190, 105.5691
YIQ	221.4770, -32.1400, -1.2280

Conversions

Conversions Part 2

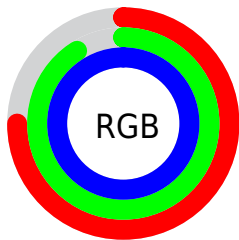
Format	Color
R_{YB}	190, 215, 255
Decimal	12511231
CIE Lab	89.54, -8.04, -15.98
CIE LCh	90, 17.888, 243.303
Yxy	75.3190, 0.2728, 0.3028
Android (android.graphics.Color)	4290701311 (0xFFBEE7FF)
YUV	221.4770, 16.5268, -27.6053
Hunter-Lab	86.7865, -12.3017, -11.3711

Details

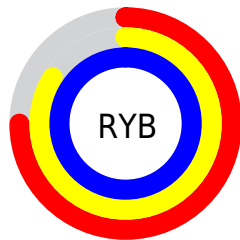
The XYZ color **67.8611, 75.3190, 105.5691** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.5807, 73.0701, 58.8900**, and the grayscale version is **68.9678, 72.5595, 79.0173**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **35.5147, 39.8881, 59.2534** is the 20% darker color. If you saturate the color by 10%, you get **59.4765, 67.1915, 104.4422**, and if you desaturate by 10%, it is **77.5057, 84.3103, 106.7963**.

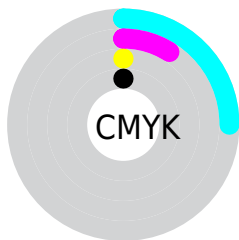
Distribution



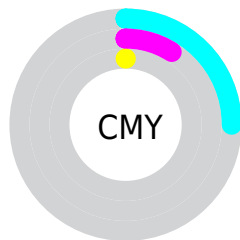
- Red (75%)
- Green (91%)
- Blue (100%)



- Red (75%)
- Yellow (84%)
- Blue (100%)



- Cyan (25%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8611, 75.3190, 105.5691 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 67.8611, 75.3190, 105.5691 by changing the saturation by 10% instead.

67.8611, 75.3190,
105.5691

67.8611, 75.3190,
105.5691

442.3882,
479.0133, 599.3025

50.0580, 55.8743,
80.3169

115.1964,
126.7638, 170.9080

35.6775, 40.1021,
59.4515

145.4593,
159.5327, 211.8317

24.3542, 27.6182,
42.5543

180.6063,
197.5117, 258.8164

15.7227, 18.0380,
29.2067

221.0025,
241.0853, 312.2805

9.4177, 10.9773,
18.9903

267.0135,
290.6379, 372.6426

5.0739, 6.0516,
11.4866

319.0045,

2.3259, 2.8765,

346.5538, 440.3213

6.2768

377.3410,
409.2175, 515.7351

■ 0.8079, 1.0676,
2.9426

■ 0.0000, 0.0000,
1.0654

■ 67.8611, 75.3190,
105.5691

■ 67.8611, 75.3190,
105.5691

■ 59.4765, 67.1915,
104.4422

■ 77.5057, 84.3103,
106.7963

■ 52.2856, 59.8845,
103.4109

■ 88.4603, 94.1885,
108.1256

■ 46.2249, 53.3640,
102.4717

95.0500, 100.0000,
108.9000

■ 41.2219, 47.5891,
101.6207

■ 37.1952, 42.5143,
100.8534

■ 34.0499, 38.0870,
100.1647

■ 31.6691, 34.2434,
99.5482

■ 30.7704, 32.6608,
99.2901

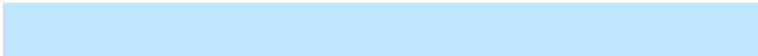
Harmonies

Analogous

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



64.7600, 75.3190, 96.0181



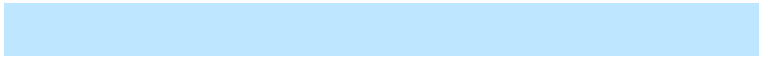
67.8611, 75.3190, 105.5691



72.0760, 75.3190, 108.6012

Triad

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



67.8611, 75.3190, 105.5691



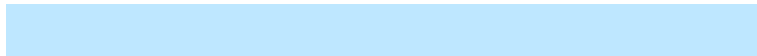
80.3543, 75.3190, 80.6242



67.0512, 75.3190, 63.4116

Complementary

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



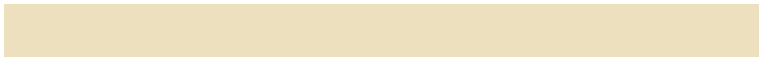
67.8611, 75.3190, 105.5691



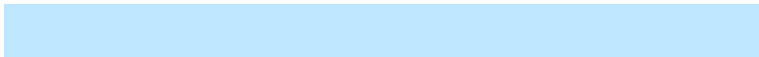
74.5807, 73.0701, 58.8900

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.



71.1031, 75.3190, 60.1570



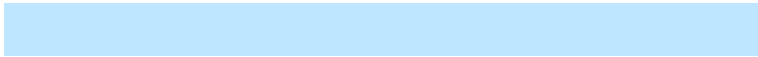
67.8611, 75.3190, 105.5691



78.8808, 75.3190, 69.4345

Square

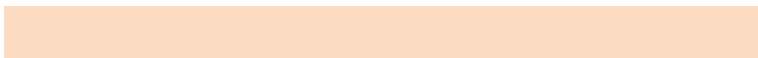
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



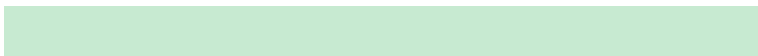
67.8611, 75.3190, 105.5691



79.4009, 75.3190, 93.3622



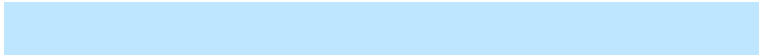
75.4498, 75.3190, 62.2451



64.3060, 75.3190, 71.6167

Rectangle

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



67.8611, 75.3190, 105.5691



74.9813, 75.3190, 106.2872



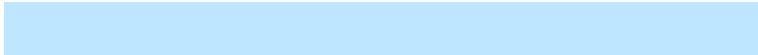
75.4498, 75.3190, 62.2451



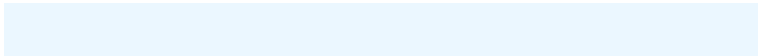
68.2996, 75.3190, 61.7426

Sweetspot

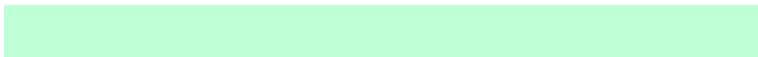
The Sweet Spot groups the original color and five complimentary colors.



67.8631, 75.3219, 105.5696



85.5833, 91.6228, 107.7820



69.1125, 87.3142, 76.7187



17.9581, 19.2879, 23.0264



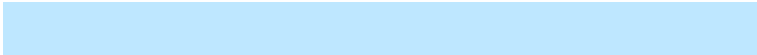
0.0000, 0.0000, 0.0000



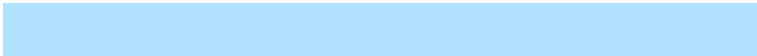
20.3446, 21.4041, 23.3091

Same Dimension

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



67.8631, 75.3219, 105.5696



63.0897, 70.7373, 104.9362



59.6333, 58.8623, 102.8263



17.9581, 19.2879, 23.0264



16.2258, 17.3612, 51.9304



1.6844, 1.8994, 5.0911

Inverse Universe

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



74.0786, 63.8580, 84.0262



70.4578, 57.7720, 79.2572



83.5920, 91.0926, 61.8938



18.4915, 18.1799, 21.2055



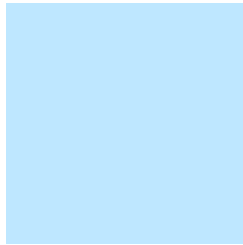
24.9782, 12.4806, 19.0677



2.4848, 1.2363, 2.1344

Previews

White Background



This preview shows how the XYZ color 67.8611, 75.3190, 105.5691 looks on a white background.

Color Contrast Check

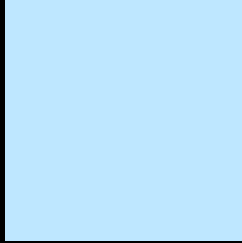
Large Text (above 18pt) WCAG AA × Fail

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 67.8611, 75.3190, 105.5691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

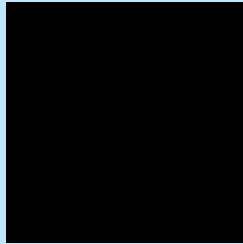
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

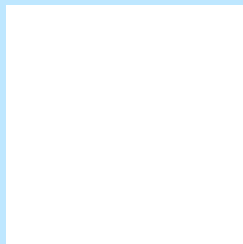
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8611, 75.3190, 105.5691

Background



This preview shows how black text looks on a background with the XYZ color 67.8611, 75.3190, 105.5691.



This preview shows how white text looks on a background with the XYZ color 67.8611, 75.3190,

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

67.8611, 75.3190, 105.5691

Protanopia

73.4618, 75.0496, 101.0567

Deuteranopia

76.0146, 74.7060, 105.0210



Tritanopia

67.0982, 75.4342, 101.4663

Trichromacy



Original Color

67.8611, 75.3190, 105.5691

Protanomaly

71.3454, 75.1226, 102.8353

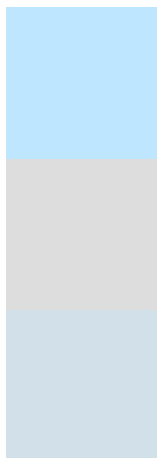
Deuteranomaly

72.4620, 74.4424, 105.1574

Tritanomaly

67.4136, 75.5603, 103.1270

Monochromacy



Original Color

67.8611, 75.3190, 105.5691

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.2115, 73.4353, 87.6701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8611, 75.3190, 105.5691 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.8611, 75.3190, 105.5691 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, 231, 255) }
```


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

```
.border{ border-color:rgb(190, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8611, 75.3190, 105.5691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 231, 255) }
```

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

```
.background{ background-color: rgb(190,  
231, 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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