

Converting Colors

XYZ(68.0690, 75.2693,
105.5485)

Have a look what the booklet for
XYZ(68.0690, 75.2693, 105.5485)
contains.

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Color

**XYZ(68.1118, 75.4482,
105.5808)**

Conversions

Conversions Part 1

Format	Color
Hex	BF E7 FF
RGB	191, 231, 255
RGB Percent	75%, 91%, 100%
CMY	0.2510, 0.0941, 0.0000
CMYK	0.25, 0.09, 0.00, 0.00
HSL	202°, 100%, 87%
HSV	202°, 25%, 100%
XYZ	68.1118, 75.4482, 105.5808
YIQ	221.7760, -31.5440, -1.0160

Conversions

Conversions Part 2

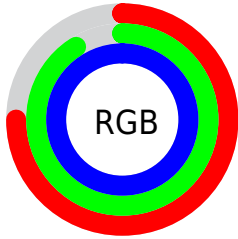
Format	Color
R_{YB}	191, 216, 255
Decimal	12576767
CIE _{Lab}	89.60, -7.75, -15.88
CIE _{LCh}	90, 17.672, 244.001
Y _{xy}	75.4482, 0.2734, 0.3028
Android (android.graphics.Color)	4290766847 (0xFFBFE7FF)
YUV	221.7760, 16.3794, -26.9906
Hunter-Lab	86.8609, -12.0362, -11.2653

Details

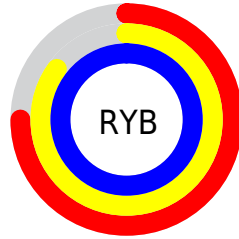
The XYZ color **68.1118, 75.4482, 105.5808** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.9444, 73.6220, 59.5526**, and the grayscale version is **69.1790, 72.7817, 79.2592**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **35.6764, 39.9714, 59.2610** is the 20% darker color. If you saturate the color by 10%, you get **59.6456, 67.2207, 104.4390**, and if you desaturate by 10%, it is **77.8447, 84.5495, 106.8246**.

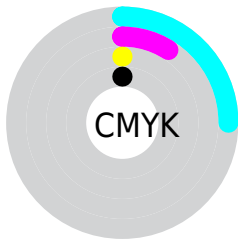
Distribution



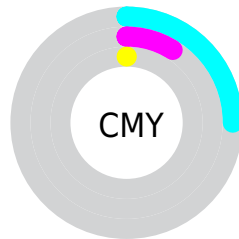
- Red (75%)
- Green (91%)
- Blue (100%)



- Red (75%)
- Yellow (85%)
- 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 68.1118, 75.4482, 105.5808 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 68.1118, 75.4482, 105.5808 by changing the saturation by 10% instead.

68.1118, 75.4482,
105.5808

68.1118, 75.4482,
105.5808

443.2625,
479.4567, 599.3397

50.2627, 55.9802,
80.3266

115.5531,
126.9466, 170.9241

35.8408, 40.1870,
59.4594

145.8760,
159.7458, 211.8503

24.4808, 27.6844,
42.5606

181.0876,
197.7574, 258.8376

15.8173, 18.0879,
29.2117

221.5531,
241.3659, 312.3046

9.4850, 11.0131,
18.9941

267.6381,
290.9557, 372.6697

5.1185, 6.0756,
11.4892

319.7077,

2.3524, 2.8911,

346.9112, 440.3516

6.2786

378.1274,
409.6167, 515.7688

■ 0.8213, 1.0752,
2.9437

■ 0.0000, 0.0000,
1.0660

■ 68.1118, 75.4482,
105.5808

■ 68.1118, 75.4482,
105.5808

■ 59.6456, 67.2207,
104.4390

■ 77.8447, 84.5495,
106.8246

■ 52.3798, 59.8238,
103.3942

■ 88.8941, 94.5479,
108.1721

■ 46.2510, 53.2231,
102.4431

95.0500, 100.0000,
108.9000

■ 41.1870, 47.3778,
101.5818

■ 37.1067, 42.2424,
100.8056

■ 33.9155, 37.7643,
100.1094

■ 31.4979, 33.8801,
99.4871

■ 30.5150, 32.1500,
99.2050

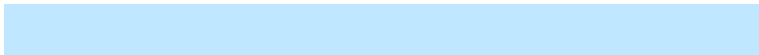
Harmonies

Analogous

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



65.0072, 75.4482, 96.2663



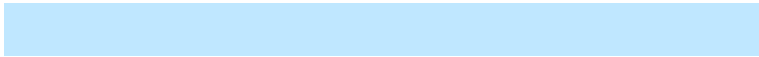
68.1118, 75.4482, 105.5808



72.2956, 75.4482, 108.3982

Triad

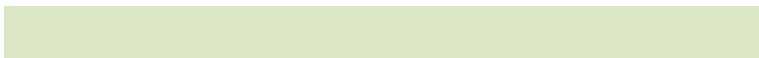
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1118, 75.4482, 105.5808



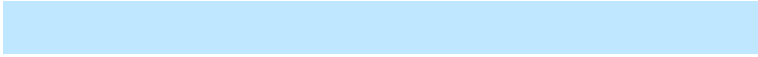
80.3703, 75.4482, 80.4925



67.1411, 75.4482, 63.8719

Complementary

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



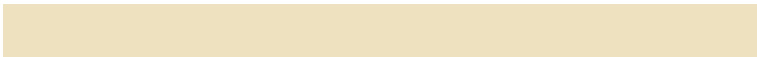
68.1118, 75.4482, 105.5808



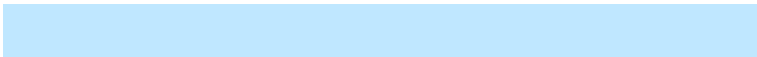
74.9444, 73.6220, 59.5526

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.



71.1301, 75.4482, 60.5234



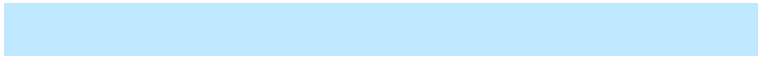
68.1118, 75.4482, 105.5808



78.8610, 75.4482, 69.4864

Square

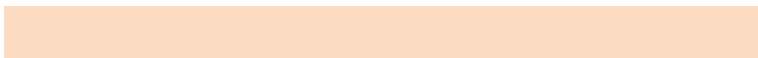
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1118, 75.4482, 105.5808



79.4836, 75.4482, 93.0888



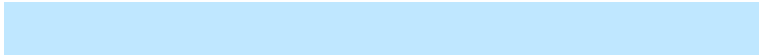
75.4353, 75.4482, 62.4711



64.4629, 75.4482, 72.1041

Rectangle

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



68.1118, 75.4482, 105.5808



75.1626, 75.4482, 105.9981



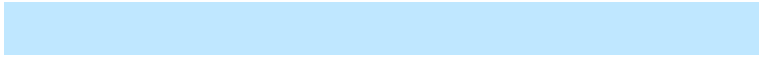
75.4353, 75.4482, 62.4711



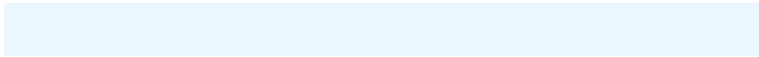
68.3672, 75.4482, 62.1778

Sweetspot

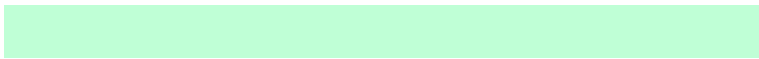
The Sweet Spot groups the original color and five complimentary colors.



68.1139, 75.4511, 105.5813



85.5472, 91.5506, 107.7700



69.4442, 87.4758, 77.1571



17.9490, 19.2697, 23.0234



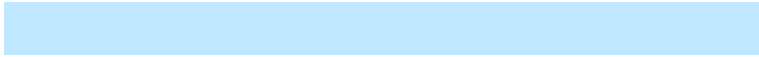
0.0000, 0.0000, 0.0000



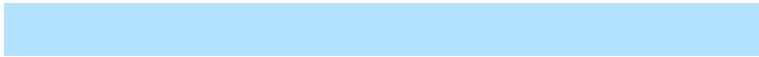
20.3446, 21.4041, 23.3091

Same Dimension

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



68.1139, 75.4511, 105.5813



63.8075, 71.3092, 105.0088



60.0837, 59.3908, 102.9046



17.9490, 19.2697, 23.0234



16.0929, 17.0954, 51.8861



1.6720, 1.8746, 5.0870

Inverse Universe

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



74.2960, 64.2928, 84.0986



71.0310, 58.8085, 79.7868



83.7424, 91.2178, 62.4852



18.4869, 18.1781, 21.1813



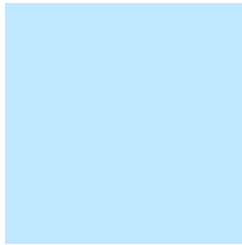
24.9112, 12.4538, 18.7145



2.4785, 1.2338, 2.1014

Previews

White Background



This preview shows how the XYZ color 68.1118, 75.4482, 105.5808 looks on a white background.

Color Contrast Check

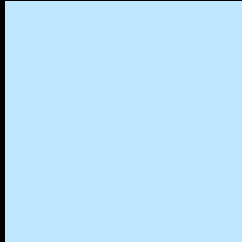
Large Text (above 18pt) WCAG AA × Fail

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 68.1118, 75.4482, 105.5808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

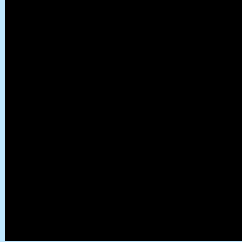
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

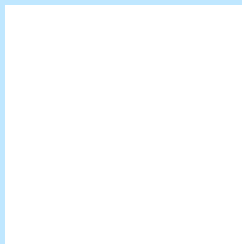
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1118, 75.4482, 105.5808

Background



This preview shows how black text looks on a background with the XYZ color 68.1118, 75.4482, 105.5808.



This preview shows how white text looks on a background with the XYZ color 68.1118, 75.4482,

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

68.1118, 75.4482, 105.5808

Protanopia

73.4618, 75.0496, 101.0567

Deuteranopia

76.5982, 75.3953, 105.1233



Tritanopia

67.3471, 75.5625, 101.4779

Trichromacy



Original Color

68.1118, 75.4482, 105.5808

Protanomaly

71.3454, 75.1226, 102.8353

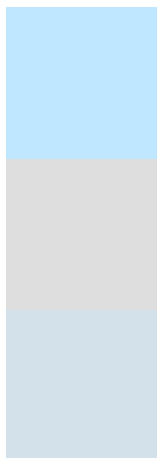
Deuteranomaly

73.0246, 75.1302, 105.2605

Tritanomaly

67.6625, 75.6887, 103.1386

Monochromacy



Original Color

68.1118, 75.4482, 105.5808

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.6405, 73.6398, 88.4381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1118, 75.4482, 105.5808 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(191, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.1118, 75.4482, 105.5808 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(191, 231, 255) }
```


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

```
.border{ border-color:rgb(191, 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(191, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1118, 75.4482, 105.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 231, 255) }
```

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

```
.background{ background-color: rgb(191,  
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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