

Converting Colors

XYZ(73.5255, 78.4861,
131.3548)

Have a look what the booklet for
XYZ(73.5255, 78.4861, 131.3548)
contains.

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Color

**XYZ(68.6748, 76.5742,
105.7685)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BF E9 FF</code>
RGB	<code>191, 233, 255</code>
RGB Percent	<code>75%, 91%, 100%</code>
CMY	<code>0.2510, 0.0863, 0.0000</code>
CMYK	<code>0.25, 0.09, 0.00, 0.00</code>
HSL	<code>201°, 100%, 87%</code>
HSV	<code>201°, 25%, 100%</code>
XYZ	<code>68.6748, 76.5742, 105.7685</code>
YIQ	<code>222.9500, -32.0940, -2.0620</code>

Conversions

Conversions Part 2

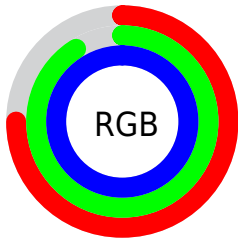
Format	Color
R_{YB}	191, 216, 255
Decimal	12577279
CIE _{Lab}	90.13, -8.77, -15.10
CIE _{LCh}	90, 17.462, 239.850
Yxy	76.5742, 0.2736, 0.3051
Android (android.graphics.Color)	4290767359 (0xFFBFE9FF)
YUV	222.9500, 15.8007, -28.0201
Hunter-Lab	87.5067, -13.0508, -10.4086

Details

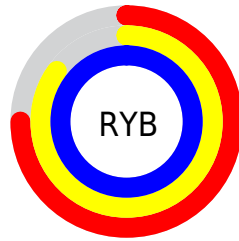
The XYZ color **68.6748, 76.5742, 105.7685** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4382, 72.6096, 59.3838**, and the grayscale version is **70.0132, 73.6593, 80.2150**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **36.0685, 40.7557, 59.3917** is the 20% darker color. If you saturate the color by 10%, you get **60.3922, 68.7140, 104.6879**, and if you desaturate by 10%, it is **78.2012, 85.2624, 106.9434**.

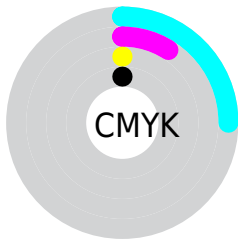
Distribution



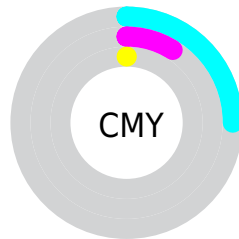
- Red (75%)
- Green (91%)
- Blue (100%)



- 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 68.6748, 76.5742, 105.7685 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 68.6748, 76.5742, 105.7685 by changing the saturation by 10% instead.

68.6748, 76.5742,
105.7685

68.6748, 76.5742,
105.7685

445.2225,
483.3110, 599.9368

50.7226, 56.9035,
80.4831

116.3536,
128.5382, 171.1829

36.2080, 40.9277,
59.5875

146.8109,
161.6004, 212.1489

24.7658, 28.2626,
42.6631

182.1672,
199.8950, 259.1788

16.0304, 18.5237,
29.2914

222.7880,
243.8067, 312.6913

9.6367, 11.3266,
19.0539

269.0386,
293.7197, 373.1048

5.2191, 6.2870,
11.5320

321.2843,

2.4125, 3.0204,

350.0185, 440.8378

6.3072

379.8905,
413.0875, 516.3090

■ 0.8513, 1.1424,
2.9610

■ 0.0000, 0.0139,
1.0748

■ 68.6748, 76.5742,
105.7685

■ 68.6748, 76.5742,
105.7685

■ 60.3922, 68.7140,
104.6879

■ 78.2012, 85.2624,
106.9434

■ 53.2876, 61.6394,
103.6968

■ 89.0205, 94.8008,
108.2142

■ 47.2981, 55.3174,
102.7922

95.0500, 100.0000,
108.9000

■ 42.3522, 49.7082,
101.9702

■ 38.3692, 44.7675,
101.2265

■ 35.2554, 40.4441,
100.5561

■ 32.8957, 36.6757,
99.9531

■ 31.9343, 34.9886,
99.6781

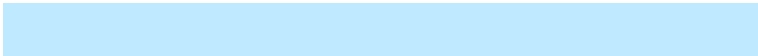
Harmonies

Analogous

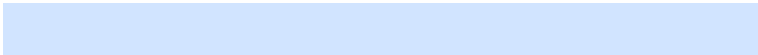
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.7889, 76.5742, 95.8312



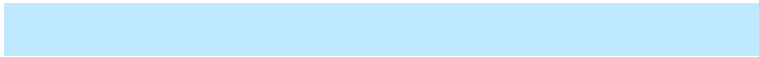
68.6748, 76.5742, 105.7685



72.7597, 76.5742, 109.5981

Triad

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



68.6748, 76.5742, 105.7685



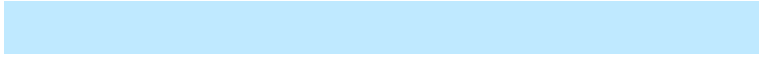
81.4389, 76.5742, 83.4387



68.7111, 76.5742, 64.3385

Complementary

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



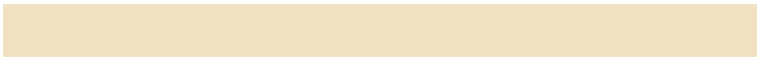
68.6748, 76.5742, 105.7685



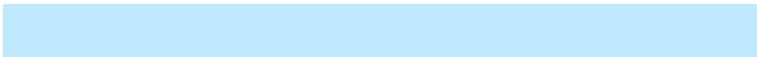
74.4382, 72.6096, 59.3838

Split Complementary

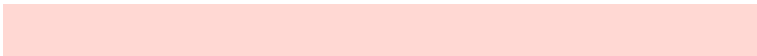
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8033, 76.5742, 61.7108



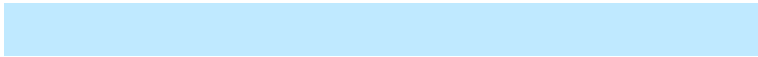
68.6748, 76.5742, 105.7685



80.2528, 76.5742, 72.0502

Square

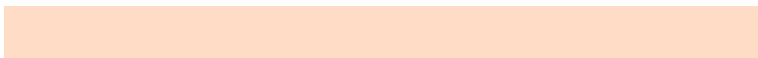
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6748, 76.5742, 105.7685



80.2296, 76.5742, 95.9498



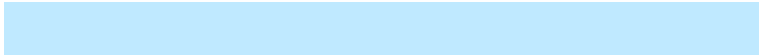
77.0487, 76.5742, 64.3910



65.8092, 76.5742, 71.9522

Rectangle

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



68.6748, 76.5742, 105.7685



75.6486, 76.5742, 107.9050



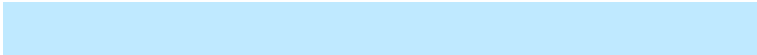
77.0487, 76.5742, 64.3910



69.9877, 76.5742, 62.8785

Sweetspot

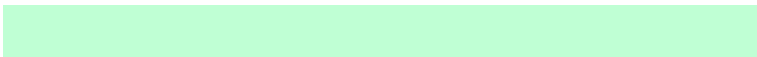
The Sweet Spot groups the original color and five complimentary colors.



68.6769, 76.5772, 105.7690



85.7429, 91.9419, 107.8352



69.1727, 87.3672, 75.7272



17.9984, 19.3685, 23.0398



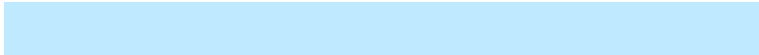
0.0000, 0.0000, 0.0000



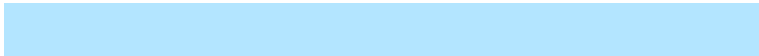
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6769, 76.5772, 105.7690



64.4634, 72.6210, 105.2274



60.5797, 60.3828, 103.0699



17.9984, 19.3685, 23.0398



16.8309, 18.5714, 52.1321



1.7406, 2.0119, 5.1099

Inverse Universe

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



74.5801, 64.4065, 85.5951



71.3621, 58.9409, 81.5302



83.0956, 89.9242, 62.2696



18.5119, 18.1881, 21.3126



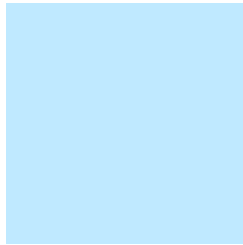
25.2837, 12.6028, 20.6760



2.5132, 1.2476, 2.2838

Previews

White Background



This preview shows how the XYZ color 68.6748, 76.5742, 105.7685 looks on a white background.

Color Contrast Check

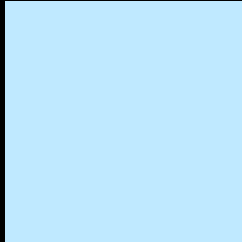
Large Text (above 18pt) WCAG AA × Fail

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 68.6748, 76.5742, 105.7685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

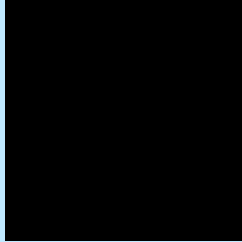
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6748, 76.5742, 105.7685

Background



This preview shows how black text looks on a background with the XYZ color 68.6748, 76.5742, 105.7685.

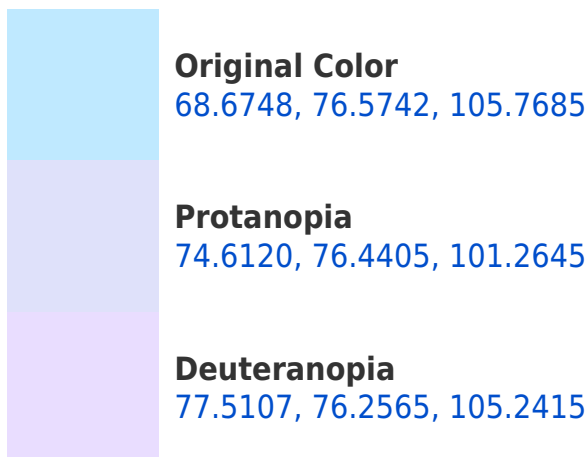


This preview shows how white text looks on a background with the XYZ color 68.6748, 76.5742,

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

67.9448, 76.2533, 103.2327

Trichromacy



Original Color

68.6748, 76.5742, 105.7685

Protanomaly

72.1781, 76.3640, 103.0310

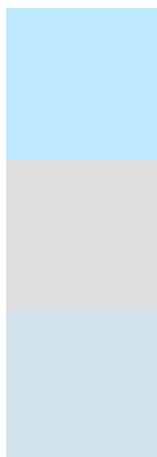
Deuteranomaly

73.8887, 75.9759, 105.3782

Tritanomaly

68.1037, 76.3168, 104.0697

Monochromacy



Original Color

68.6748, 76.5742, 105.7685

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.3284, 74.7852, 89.3783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6748, 76.5742, 105.7685 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, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 233, 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, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.6748, 76.5742, 105.7685 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, 233, 255) }
```


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

```
.border{ border-color:rgb(191, 233, 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, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 233, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 233, 255); box-shadow:4px 4px 4px 4px rgb(191, 233, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6748, 76.5742, 105.7685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 233, 255) }
```

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

```
.background{ background-color: rgb(191,  
233, 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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