

Converting Colors

XYZ(67.7233, 76.2233,
105.7509)

Have a look what the booklet for
XYZ(67.7233, 76.2233, 105.7509)
contains.

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Color

**XYZ(67.6824, 76.0626,
105.7221)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE9FF
RGB	187, 233, 255
RGB Percent	73%, 91%, 100%
CMY	0.2667, 0.0863, 0.0000
CMYK	0.27, 0.09, 0.00, 0.00
HSL	199°, 100%, 87%
HSV	199°, 27%, 100%
XYZ	67.6824, 76.0626, 105.7221
YIQ	221.7540, -34.4780, -2.9100

Conversions

Conversions Part 2

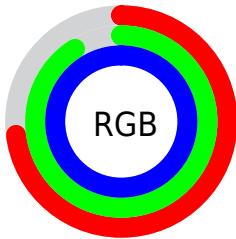
Format	Color
RYB	187, 214, 255
Decimal	12315135
CIELab	89.89, -9.92, -15.48
CIELCh	90, 18.386, 237.343
Yxy	76.0626, 0.2713, 0.3049
Android (android.graphics.Color)	4290505215 (0xFFBBE9FF)
YUV	221.7540, 16.3903, -30.4793
Hunter-Lab	87.2139, -14.0992, -10.8226

Details

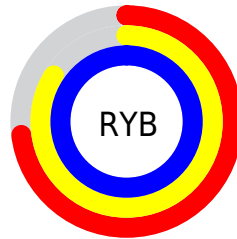
The XYZ color **67.6824, 76.0626, 105.7221** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0101, 70.4482, 56.7652**, and the grayscale version is **69.1648, 72.7668, 79.2430**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.4309, 40.4270, 59.3619** is the 20% darker color. If you saturate the color by 10%, you get **59.7088, 68.5679, 104.6957**, and if you desaturate by 10%, it is **76.8769, 84.3525, 106.8376**.

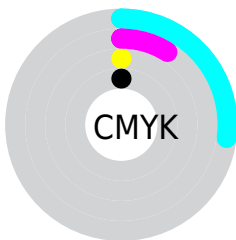
Distribution



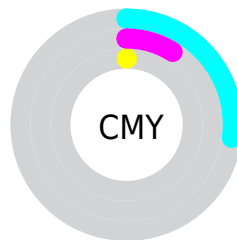
- Red (73%)
- Green (91%)
- Blue (100%)



- Red (73%)
- Yellow (84%)
- Blue (100%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6824, 76.0626, 105.7221 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 67.6824, 76.0626, 105.7221 by changing the saturation by 10% instead.

67.6824, 76.0626,
105.7221

67.6824, 76.0626,
105.7221

441.7643,
481.5620, 599.7892

49.9121, 56.4838,
80.4444

114.9421,
127.8154, 171.1189

35.5611, 40.5910,
59.5558

145.1622,
160.7582, 212.0751

24.2639, 27.9996,
42.6378

180.2630,
198.9245, 259.0945

15.6553, 18.3254,
29.2717

220.6098,
242.6987, 312.5957

9.3699, 11.1838,
19.0391

266.5680,
292.4651, 372.9973

5.0423, 6.1906,
11.5214

318.5029,

2.3071, 2.9613,

348.6082, 440.7177

6.3002

376.7799,
411.5124, 516.1755

0.7983, 1.1116,
2.9567

0.0000, 0.0000,
1.0726

67.6824, 76.0626,
105.7221

67.6824, 76.0626,
105.7221

59.7088, 68.5679,
104.6957

76.8769, 84.3525,
106.8376

52.8898, 61.8265,
103.7539

87.3419, 93.4597,
108.0439

47.1621, 55.8052,
102.8935

95.0500, 100.0000,
108.9000

42.4531, 50.4645,
102.1108

■ 38.6808, 45.7597,
101.4015

■ 35.7492, 41.6389,
100.7607

■ 33.5378, 38.0376,
100.1821

■ 32.9004, 36.9208,
100.0001

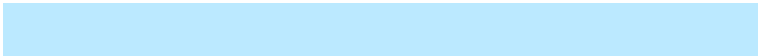
Harmonies

Analogous

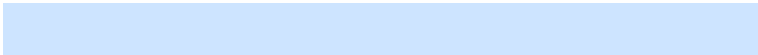
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.8088, 76.0626, 94.8519



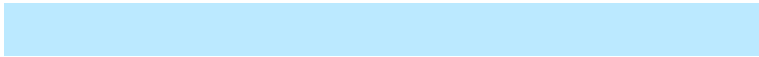
67.6824, 76.0626, 105.7221



71.8909, 76.0626, 110.4130

Triad

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



67.6824, 76.0626, 105.7221



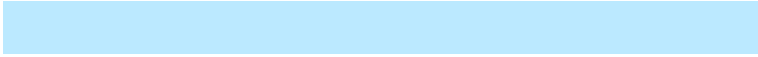
81.3786, 76.0626, 83.9848



68.3561, 76.0626, 62.5219

Complementary

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



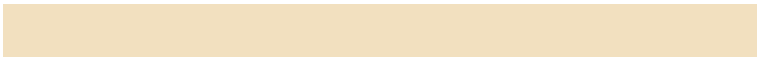
67.6824, 76.0626, 105.7221



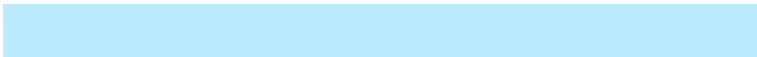
73.0101, 70.4482, 56.7652

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.



72.7010, 76.0626, 60.2545



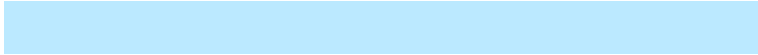
67.6824, 76.0626, 105.7221



80.3370, 76.0626, 71.8499

Square

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



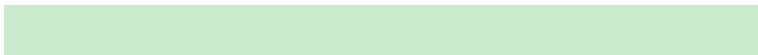
67.6824, 76.0626, 105.7221



79.9032, 76.0626, 97.0684



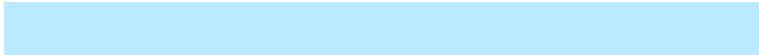
77.1130, 76.0626, 63.4887



65.1862, 76.0626, 70.0376

Rectangle

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



67.6824, 76.0626, 105.7221



74.9310, 76.0626, 109.0732



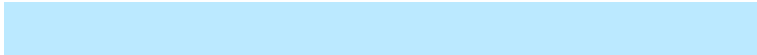
77.1130, 76.0626, 63.4887



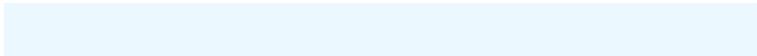
69.7220, 76.0626, 61.1573

Sweetspot

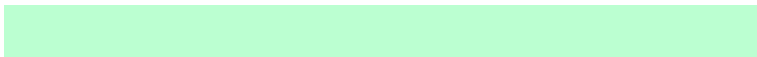
The Sweet Spot groups the original color and five complimentary colors.



67.6845, 76.0656, 105.7225



85.8699, 92.1958, 107.8775



67.7054, 86.6657, 73.1802



18.0305, 19.4326, 23.0505



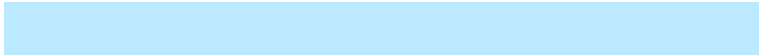
0.0000, 0.0000, 0.0000



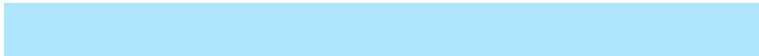
20.3446, 21.4041, 23.3091

Same Dimension

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



67.6845, 76.0656, 105.7225



63.2821, 71.9697, 105.1640



59.0758, 58.8483, 102.8530



18.0305, 19.4326, 23.0505



17.3326, 19.5747, 52.2994



1.7869, 2.1044, 5.1253

Inverse Universe

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



73.7196, 62.6854, 85.3082



70.3480, 56.9358, 81.1213



82.1212, 88.6705, 59.8023



18.5280, 18.1945, 21.3978



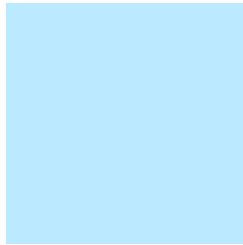
25.5369, 12.7040, 22.0094



2.5365, 1.2570, 2.4068

Previews

White Background



This preview shows how the XYZ color 67.6824, 76.0626, 105.7221 looks on a white background.

Color Contrast Check

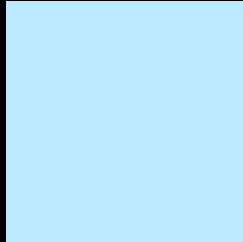
Large Text (above 18pt) WCAG AA × Fail

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 67.6824, 76.0626, 105.7221 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

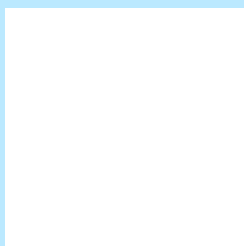
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6824, 76.0626, 105.7221

Background



This preview shows how black text looks on a background with the XYZ color 67.6824, 76.0626, 105.7221.



This preview shows how white text looks on a background with the XYZ color 67.6824, 76.0626,

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

67.6824, 76.0626, 105.7221

Protanopia

73.8787, 75.6805, 100.3365

Deuteranopia

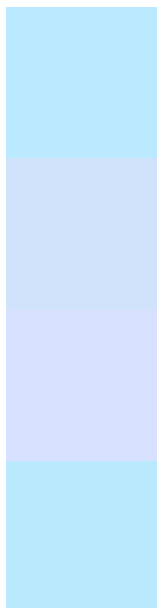
76.9219, 75.5622, 105.1385



Tritanopia

66.9593, 75.7452, 103.1866

Trichromacy



Original Color

67.6824, 76.0626, 105.7221

Protanomaly

71.1762, 75.4585, 102.0804

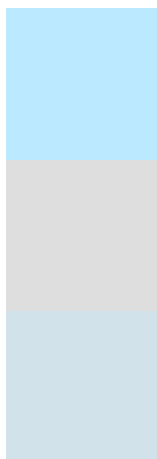
Deuteranomaly

73.2941, 75.6694, 105.3504

Tritanomaly

67.1182, 75.8088, 104.0236

Monochromacy



Original Color

67.6824, 76.0626, 105.7221

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.3421, 73.8885, 88.5018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6824, 76.0626, 105.7221 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(187, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.6824, 76.0626, 105.7221 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(187, 233, 255) }
```


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

```
.border{ border-color:rgb(187, 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(187, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6824, 76.0626, 105.7221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 233, 255) }
```

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

```
.background{ background-color: rgb(187,  
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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