

Converting Colors

XYZ(79.0444, 77.4630,
171.6132)

Have a look what the booklet for
XYZ(79.0444, 77.4630, 171.6132)
contains.

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Color

**XYZ(66.4816, 72.5599,
105.1092)**

Conversions

Conversions Part 1

Format	Color
Hex	BEE2FF
RGB	190, 226, 255
RGB Percent	75%, 89%, 100%
CMY	0.2549, 0.1137, 0.0000
CMYK	0.25, 0.11, 0.00, 0.00
HSL	207°, 100%, 87%
HSV	207°, 25%, 100%
XYZ	66.4816, 72.5599, 105.1092
YIQ	218.5420, -30.7650, 1.3870

Conversions

Conversions Part 2

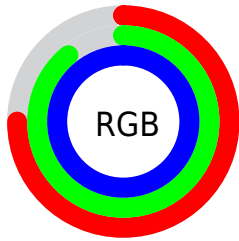
Format	Color
R_{YB}	190, 213, 255
Decimal	12509951
CIE _{Lab}	88.24, -5.46, -17.94
CIE _{LCh}	88, 18.755, 253.071
Yxy	72.5599, 0.2723, 0.2972
Android (android.graphics.Color)	4290700031 (0xFFBEE2FF)
YUV	218.5420, 17.9738, -25.0313
Hunter-Lab	85.1821, -9.7558, -13.5326

Details

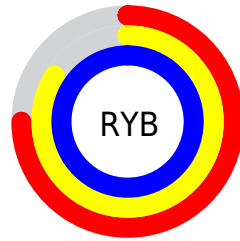
The XYZ color **66.4816, 72.5599, 105.1092** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.8658, 75.6402, 59.3185**, and the grayscale version is **66.9114, 70.3960, 76.6612**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **34.7476, 38.3539, 58.9977** is the 20% darker color. If you saturate the color by 10%, you get **57.6699, 63.5782, 103.8400**, and if you desaturate by 10%, it is **76.6168, 82.5322, 106.4999**.

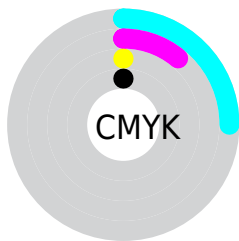
Distribution



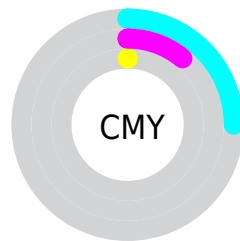
- Red (75%)
- Green (89%)
- Blue (100%)



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



- Cyan (25%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4816, 72.5599, 105.1092 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 66.4816, 72.5599, 105.1092 by changing the saturation by 10% instead.

■ 66.4816, 72.5599,
105.1092

■ 66.4816, 72.5599,
105.1092

437.5588,
469.4881, 597.8380

■ 48.9326, 53.6162,
79.9337

■ 113.2312,
122.8522, 170.2737

■ 34.7803, 38.2949,
59.1379

143.1625,
154.9696, 211.0998

■ 23.6594, 26.2116,
42.3034

177.9519,
192.2470, 257.9799

■ 15.2045, 16.9820,
29.0116

217.9649,
235.0688, 311.3324

■ 9.0503, 10.2217,
18.8439

263.5667,
283.8195, 371.5759

■ 4.8314, 5.5462,
11.3819

315.1227,

■ 2.1824, 2.5712,

338.8833, 439.1290

6.2069

372.9983,
400.6447, 514.4102

■ 0.7334, 0.9122,
2.9005

■ 0.0000, 0.0000,
1.0441

■ 66.4816, 72.5599,
105.1092

■ 66.4816, 72.5599,
105.1092

■ 57.6699, 63.5782,
103.8400

■ 76.6168, 82.5322,
106.4999

■ 50.1138, 55.5407,
102.6869

■ 88.1270, 93.5219,
108.0145

■ 43.7477, 48.4096,
101.6460

95.0500, 100.0000,
108.9000

■ 38.4975, 42.1403,
100.7126

■ 34.2797, 36.6833,
99.8816

■ 30.9973, 31.9819,
99.1471

■ 28.5315, 27.9680,
98.5023

■ 27.6107, 26.3414,
98.2369

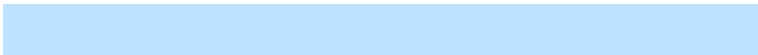
Harmonies

Analogous

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



62.8473, 72.5599, 97.1292



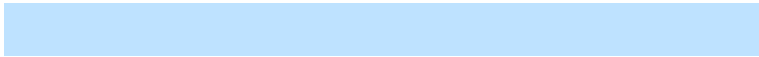
66.4816, 72.5599, 105.1092



70.9378, 72.5599, 105.6314

Triad

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



66.4816, 72.5599, 105.1092



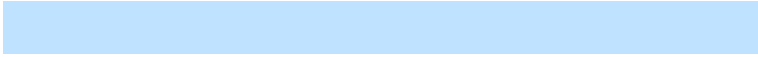
77.7256, 72.5599, 73.5424



63.2346, 72.5599, 62.2790

Complementary

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



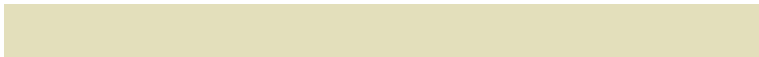
66.4816, 72.5599, 105.1092



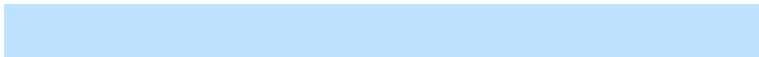
75.8658, 75.6402, 59.3185

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.



67.0311, 72.5599, 57.2779



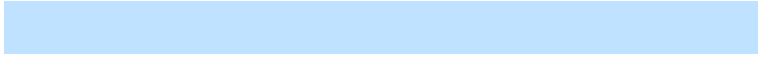
66.4816, 72.5599, 105.1092



75.4695, 72.5599, 63.2892

Square

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



66.4816, 72.5599, 105.1092



77.5627, 72.5599, 86.4288



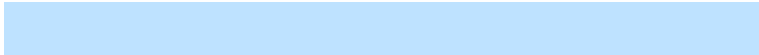
71.5116, 72.5599, 57.6264



61.0292, 72.5599, 72.0197

Rectangle

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



66.4816, 72.5599, 105.1092



73.7870, 72.5599, 101.5984



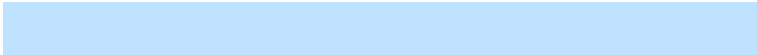
71.5116, 72.5599, 57.6264



64.3597, 72.5599, 60.0377

Sweetspot

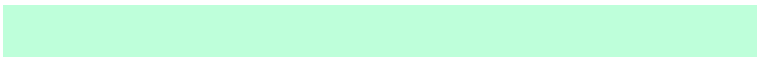
The Sweet Spot groups the original color and five complimentary colors.



66.4836, 72.5627, 105.1097



85.1042, 90.6645, 107.6223



69.6730, 87.5384, 79.6698



17.8373, 19.0463, 22.9861



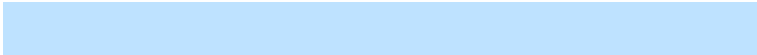
0.0000, 0.0000, 0.0000



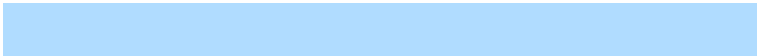
20.3446, 21.4041, 23.3091

Same Dimension

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



66.4836, 72.5627, 105.1097



61.4670, 67.4918, 104.3953



58.6528, 56.9011, 102.4994



17.8373, 19.0463, 22.9861



14.5785, 14.0667, 51.3814



1.5285, 1.5878, 5.0392

Inverse Universe

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



73.3822, 63.5796, 80.3592



69.6388, 57.4444, 74.9439



84.9278, 93.7643, 62.3392



18.4305, 18.1555, 20.8844



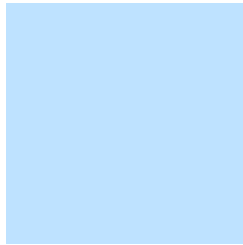
24.1468, 12.1480, 14.6893



2.4061, 1.2048, 1.7201

Previews

White Background



This preview shows how the XYZ color 66.4816, 72.5599, 105.1092 looks on a white background.

Color Contrast Check

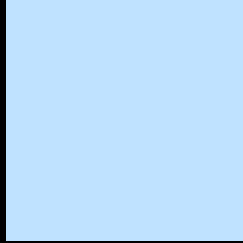
Large Text (above 18pt) WCAG AA × Fail

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 66.4816, 72.5599, 105.1092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

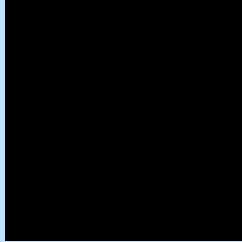
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

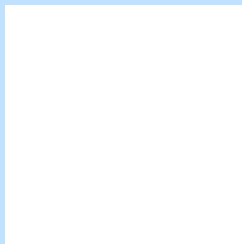
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4816, 72.5599, 105.1092

Background



This preview shows how black text looks on a background with the XYZ color 66.4816, 72.5599, 105.1092.



This preview shows how white text looks on a background with the XYZ color 66.4816, 72.5599,

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

66.4816, 72.5599, 105.1092

Protanopia

71.0630, 72.2270, 101.4626

Deuteranopia

73.6572, 72.3393, 104.6885



Tritanopia

65.1170, 72.8320, 97.8147

Trichromacy



Original Color

66.4816, 72.5599, 105.1092

Protanomaly

69.4241, 72.5362, 102.4373

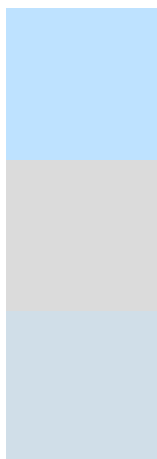
Deuteranomaly

70.7946, 72.4034, 104.8517

Tritanomaly

65.5542, 72.5965, 100.1800

Monochromacy



Original Color

66.4816, 72.5599, 105.1092

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.6992, 71.4786, 86.6253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4816, 72.5599, 105.1092 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, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 226, 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, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.4816, 72.5599, 105.1092 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, 226, 255) }
```


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

```
.border{ border-color:rgb(190, 226, 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, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4816, 72.5599, 105.1092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 226, 255) }
```

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

```
.background{ background-color: rgb(190,  
226, 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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