

Converting Colors

XYZ(72.7753, 76.0248,
138.5800)

Have a look what the booklet for
XYZ(72.7753, 76.0248, 138.5800)
contains.

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Color

**XYZ(66.2869, 73.2716,
105.2569)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE4FF
RGB	187, 228, 255
RGB Percent	73%, 89%, 100%
CMY	0.2667, 0.1059, 0.0000
CMYK	0.27, 0.11, 0.00, 0.00
HSL	204°, 100%, 87%
HSV	204°, 27%, 100%
XYZ	66.2869, 73.2716, 105.2569
YIQ	218.8190, -33.1030, -0.2950

Conversions

Conversions Part 2

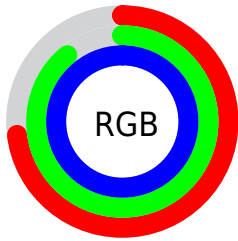
Format	Color
R _Y B	187, 213, 255
Decimal	12313855
CIE Lab	88.58, -7.36, -17.45
CIE LCh	89, 18.938, 247.133
Yxy	73.2716, 0.2708, 0.2993
Android (android.graphics.Color)	4290503935 (0xFFBBE4FF)
YUV	218.8190, 17.8372, -27.9053
Hunter-Lab	85.5988, -11.5693, -12.9870

Details

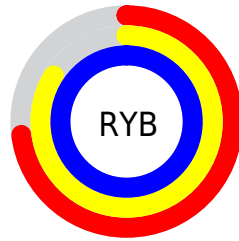
The XYZ color **66.2869, 73.2716, 105.2569** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.2562, 72.9404, 57.1806**, and the grayscale version is **67.1050, 70.5996, 76.8830**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **34.6523, 38.8699, 59.1023** is the 20% darker color. If you saturate the color by 10%, you get **57.8900, 64.9304, 104.0894**, and if you desaturate by 10%, it is **75.9585, 82.5157, 106.5314**.

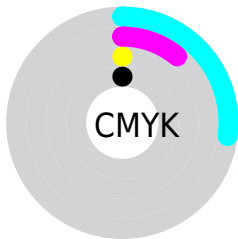
Distribution



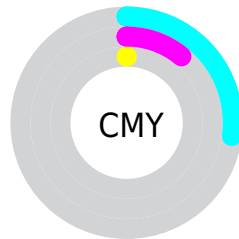
- Red (73%)
- Green (89%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2869, 73.2716, 105.2569 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 66.2869, 73.2716, 105.2569 by changing the saturation by 10% instead.

66.2869, 73.2716,
105.2569

66.2869, 73.2716,
105.2569

436.8747,
471.9556, 598.3085

48.7739, 54.1981,
80.0567

112.9535,
123.8627, 170.4774

34.6540, 38.7600,
59.2386

142.8377,
156.1491, 211.3349

23.5617, 26.5731,
42.3839

177.5765,
193.6085, 258.2486

15.1318, 17.2529,
29.0742

217.5351,
236.6254, 311.6370

8.9988, 10.4149,
18.8909

263.0788,
285.5842, 371.9186

4.7975, 5.6749,
11.4155

314.5731,

2.1625, 2.6484,

340.8692, 439.5120

6.2293

372.3833,
402.8649, 514.8358

■ 0.7229, 0.9511,
2.9140

■ 0.0000, 0.0000,
1.0509

■ 66.2869, 73.2716,
105.2569

■ 66.2869, 73.2716,
105.2569

■ 57.8900, 64.9304,
104.0894

■ 75.9585, 82.5157,
106.5314

■ 50.7005, 57.4478,
103.0241

■ 86.9559, 92.6876,
107.9152

■ 44.6535, 50.7880,
102.0573

95.0500, 100.0000,
108.9000

■ 39.6752, 44.9086,
101.1849

■ 35.6820, 39.7621,
100.4019

■ 32.5765, 35.2936,
99.7031

■ 30.2368, 31.4355,
99.0818

■ 29.5664, 30.2528,
98.8888

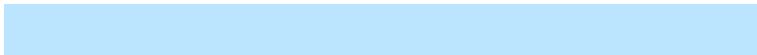
Harmonies

Analogous

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



62.8764, 73.2716, 95.9379



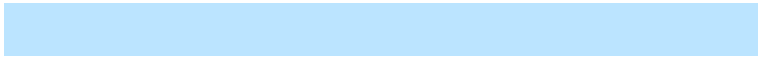
66.2869, 73.2716, 105.2569



70.7381, 73.2716, 107.4140

Triad

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



66.2869, 73.2716, 105.2569



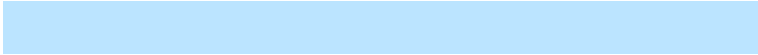
78.7202, 73.2716, 76.6994



64.4770, 73.2716, 61.3704

Complementary

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



66.2869, 73.2716, 105.2569



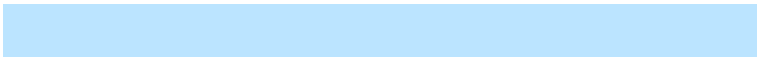
74.2562, 72.9404, 57.1806

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.



68.5582, 73.2716, 57.3458



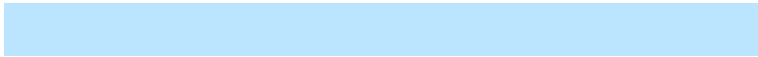
66.2869, 73.2716, 105.2569



76.8773, 73.2716, 65.5470

Square

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



66.2869, 73.2716, 105.2569



78.0473, 73.2716, 89.9531



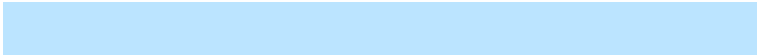
73.1094, 73.2716, 58.7870



61.8638, 73.2716, 70.4049

Rectangle

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



66.2869, 73.2716, 105.2569



73.7227, 73.2716, 104.3086



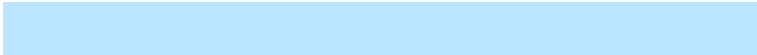
73.1094, 73.2716, 58.7870



65.7156, 73.2716, 59.4344

Sweetspot

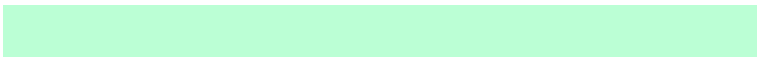
The Sweet Spot groups the original color and five complimentary colors.



66.2889, 73.2744, 105.2573



85.4095, 91.2751, 107.7240



68.2732, 86.8928, 76.1700



17.9143, 19.2002, 23.0118



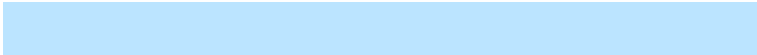
0.0000, 0.0000, 0.0000



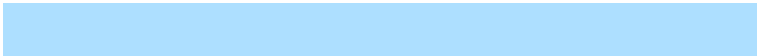
20.3446, 21.4041, 23.3091

Same Dimension

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



66.2889, 73.2744, 105.2573



61.6541, 68.7138, 104.6213



58.0451, 56.7868, 102.5094



17.9143, 19.2002, 23.0118



15.5990, 16.1075, 51.7215



1.6256, 1.7819, 5.0715

Inverse Universe

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



73.0152, 62.4036, 81.5988



69.5263, 56.6071, 76.7942



83.4912, 91.4105, 60.2590



18.4694, 18.1711, 21.0889



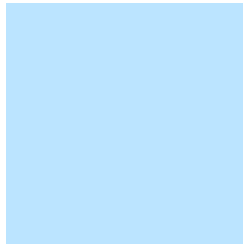
24.6618, 12.3540, 17.4016



2.4551, 1.2244, 1.9781

Previews

White Background



This preview shows how the XYZ color 66.2869, 73.2716, 105.2569 looks on a white background.

Color Contrast Check

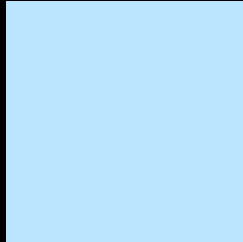
Large Text (above 18pt) WCAG AA × Fail

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 66.2869, 73.2716, 105.2569 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

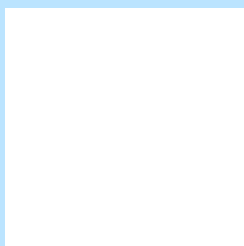
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.2869, 73.2716, 105.2569

Background



This preview shows how black text looks on a background with the XYZ color 66.2869, 73.2716, 105.2569.

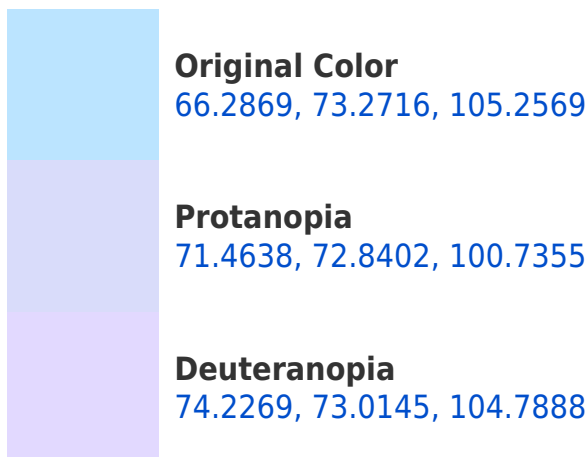


This preview shows how white text looks on a background with the XYZ color 66.2869, 73.2716,

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

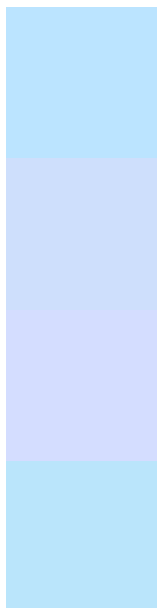




Tritanopia

64.9702, 73.1302, 99.4982

Trichromacy



Original Color

66.2869, 73.2716, 105.2569

Protanomaly

69.4120, 72.9254, 102.5131

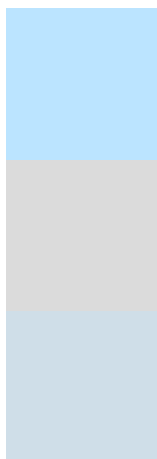
Deuteranomaly

71.0578, 72.9300, 104.9395

Tritanomaly

65.6816, 73.4428, 101.9809

Monochromacy



Original Color

66.2869, 73.2716, 105.2569

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.4189, 71.3341, 86.6121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2869, 73.2716, 105.2569 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 228, 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, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.2869, 73.2716, 105.2569 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, 228, 255) }
```


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

```
.border{ border-color:rgb(187, 228, 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, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2869, 73.2716, 105.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 228, 255) }
```

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

```
.background{ background-color: rgb(187,  
228, 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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