

Converting Colors

XYZ(65.0773, 70.1985,
104.7275)

Have a look what the booklet for
XYZ(65.0773, 70.1985, 104.7275)
contains.

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Color

**XYZ(65.1575, 70.2814,
104.7392)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDEFF
RGB	189, 222, 255
RGB Percent	74%, 87%, 100%
CMY	0.2588, 0.1294, 0.0000
CMYK	0.26, 0.13, 0.00, 0.00
HSL	210°, 100%, 87%
HSV	210°, 26%, 100%
XYZ	65.1575, 70.2814, 104.7392
YIQ	215.8950, -30.2610, 3.2670

Conversions

Conversions Part 2

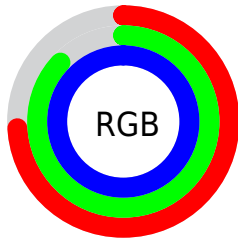
Format	Color
R _Y B	189, 211, 255
Decimal	12443391
CIE Lab	87.13, -3.67, -19.61
CIE LCh	87, 19.953, 259.388
Yxy	70.2814, 0.2713, 0.2926
Android (android.graphics.Color)	4290633471 (0xFFBDDEFF)
YUV	215.8950, 19.2788, -23.5869
Hunter-Lab	83.8340, -7.9757, -15.3910

Details

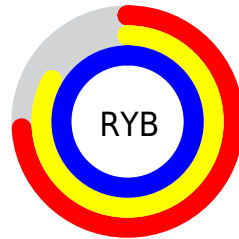
The XYZ color **65.1575, 70.2814, 104.7392** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.5465, 77.1759, 59.0078**, and the grayscale version is **65.0881, 68.4778, 74.5723**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.8433, 36.7830, 58.7422** is the 20% darker color. If you saturate the color by 10%, you get **56.1207, 60.7862, 103.3828**, and if you desaturate by 10%, it is **75.5663, 80.8674, 106.2339**.

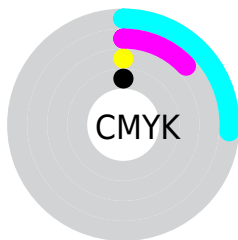
Distribution



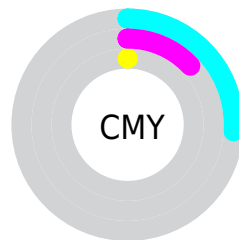
- Red (74%)
- Green (87%)
- Blue (100%)



- Red (74%)
- Yellow (83%)
- Blue (100%)



- Cyan (26%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1575, 70.2814, 104.7392 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 65.1575, 70.2814, 104.7392 by changing the saturation by 10% instead.

■ 65.1575, 70.2814,
104.7392

■ 65.1575, 70.2814,
104.7392

432.8940,
461.5374, 596.6584

■ 47.8540, 51.7560,
79.6254

■ 111.3407,
119.6100, 169.7633

■ 33.9220, 36.8106,
58.8858

140.9511,
151.1819, 210.5107

■ 22.9963, 25.0609,
42.1018

175.3945,
187.8715, 257.3064

■ 14.7115, 16.1224,
28.8549

215.0363,
230.0630, 310.5690

■ 8.7021, 9.6108,
18.7264

260.2417,
278.1410, 370.7169

■ 4.6030, 5.1417,
11.2980

311.3763,

■ 2.0486, 2.3306,

332.4898, 438.1688

6.1509

368.8053,
393.4938, 513.3431

■ 0.6610, 0.7899,
2.8668

■ 0.0000, 0.0000,
1.0270

■ 65.1575, 70.2814,
104.7392

■ 65.1575, 70.2814,
104.7392

■ 56.1207, 60.7862,
103.3828

■ 75.5663, 80.8674,
106.2339

■ 48.3862, 52.3324,
102.1587

■ 87.4007, 92.5748,
107.8700

■ 41.8865, 44.8784,
101.0625

95.0500, 100.0000,
108.9000

■ 36.5454, 38.3757,
100.0888

■ 32.2769, 32.7708,
99.2320

■ 28.9814, 28.0026,
98.4853

■ 26.5366, 23.9980,
97.8412

■ 25.7057, 22.5313,
97.6019

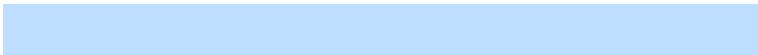
Harmonies

Analogous

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



61.1147, 70.2814, 97.7928



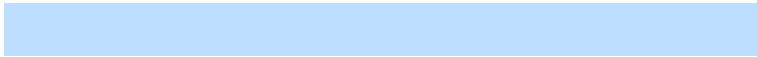
65.1575, 70.2814, 104.7392



69.8309, 70.2814, 103.4867

Triad

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



65.1575, 70.2814, 104.7392



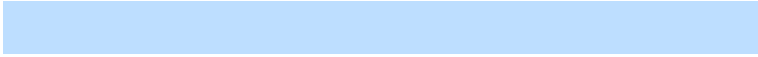
75.6493, 70.2814, 68.2878



60.2022, 70.2814, 60.9511

Complementary

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



65.1575, 70.2814, 104.7392



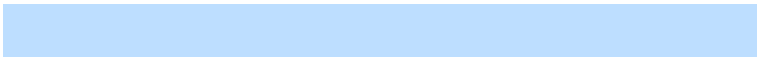
76.5465, 77.1759, 59.0078

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.



63.8588, 70.2814, 54.7063



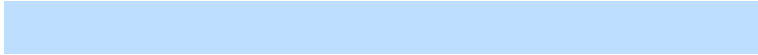
65.1575, 70.2814, 104.7392



72.8281, 70.2814, 58.5876

Square

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



65.1575, 70.2814, 104.7392



76.0370, 70.2814, 81.3674



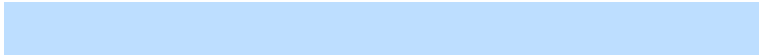
68.4706, 70.2814, 53.8948



58.3438, 70.2814, 71.8777

Rectangle

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



65.1575, 70.2814, 104.7392



72.6722, 70.2814, 98.2103



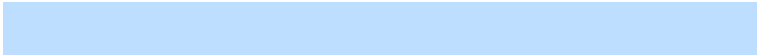
68.4706, 70.2814, 53.8948



61.2537, 70.2814, 58.2919

Sweetspot

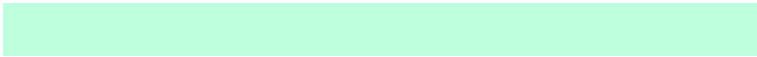
The Sweet Spot groups the original color and five complimentary colors.



65.1595, 70.2841, 104.7397



84.7712, 89.9986, 107.5113



69.7850, 87.5544, 81.5594



17.7535, 18.8786, 22.9582



0.0000, 0.0000, 0.0000



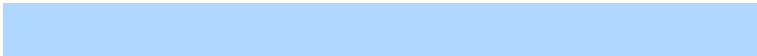
20.3446, 21.4041, 23.3091

Same Dimension

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



65.1595, 70.2841, 104.7397



60.3657, 65.2893, 104.0282



57.4727, 54.9107, 102.1774



17.7535, 18.8786, 22.9582



13.5811, 12.0717, 51.0489



1.4315, 1.3938, 5.0068

Inverse Universe

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



72.6236, 62.9306, 77.4296



69.0829, 57.2220, 72.0168



85.8357, 95.7544, 62.1042



18.3882, 18.1386, 20.6615



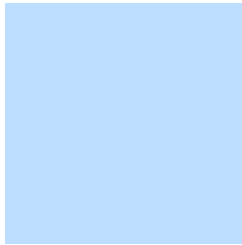
23.6433, 11.9466, 12.0380



2.3572, 1.1852, 1.4624

Previews

White Background



This preview shows how the XYZ color 65.1575, 70.2814, 104.7392 looks on a white background.

Color Contrast Check

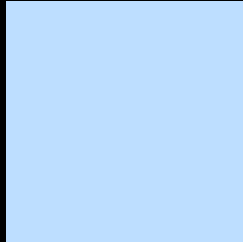
Large Text (above 18pt) WCAG AA × Fail

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 65.1575, 70.2814, 104.7392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

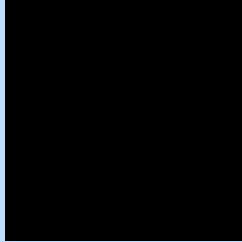
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

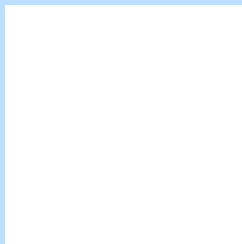
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1575, 70.2814, 104.7392

Background



This preview shows how black text looks on a background with the XYZ color 65.1575, 70.2814, 104.7392.



This preview shows how white text looks on a background with the XYZ color 65.1575, 70.2814,

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

65.1575, 70.2814, 104.7392

Protanopia

69.1198, 70.0738, 101.1494

Deuteranopia

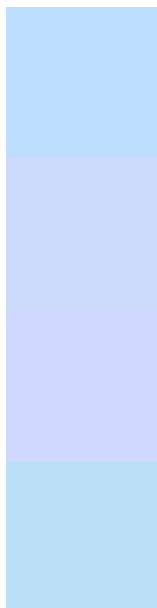
71.3594, 70.0241, 104.3627



Tritanopia

62.9324, 70.1612, 94.2300

Trichromacy



Original Color

65.1575, 70.2814, 104.7392

Protanomaly

67.5439, 70.0085, 102.0485

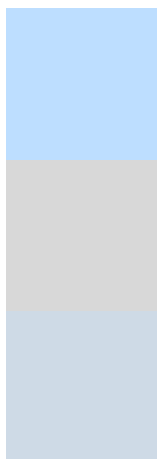
Deuteranomaly

68.9004, 69.8870, 104.4659

Tritanomaly

63.6697, 70.0555, 98.1620

Monochromacy



Original Color

65.1575, 70.2814, 104.7392

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.8079, 68.9778, 84.7612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1575, 70.2814, 104.7392 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(189, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 222, 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(189, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.1575, 70.2814, 104.7392 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(189, 222, 255) }
```


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

```
.border{ border-color:rgb(189, 222, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(189, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1575, 70.2814, 104.7392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 222, 255) }
```

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

```
.background{ background-color: rgb(189,  
222, 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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