

Converting Colors

XYZ(77.2075, 76.3034,
165.2751)

Have a look what the booklet for
XYZ(77.2075, 76.3034, 165.2751)
contains.

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Color

**XYZ(65.7143, 71.7618,
104.9956)**

Conversions

Conversions Part 1

Format	Color
Hex	BCE1FF
RGB	188, 225, 255
RGB Percent	74%, 88%, 100%
CMY	0.2627, 0.1176, 0.0000
CMYK	0.26, 0.12, 0.00, 0.00
HSL	207°, 100%, 87%
HSV	207°, 26%, 100%
XYZ	65.7143, 71.7618, 104.9956
YIQ	217.3570, -31.6820, 1.4860

Conversions

Conversions Part 2

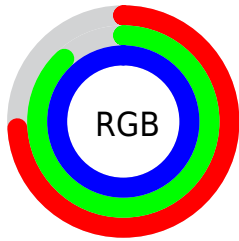
Format	Color
R _Y B	188, 212, 255
Decimal	12378623
CIE Lab	87.85, -5.52, -18.53
CIE LCh	88, 19.338, 253.408
Yxy	71.7618, 0.2710, 0.2960
Android (android.graphics.Color)	4290568703 (0xFFBCE1FF)
YUV	217.3570, 18.5580, -25.7461
Hunter-Lab	84.7123, -9.7779, -14.1876

Details

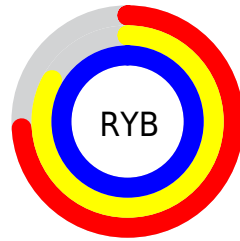
The XYZ color **65.7143, 71.7618, 104.9956** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.3886, 75.0333, 58.0884**, and the grayscale version is **66.0921, 69.5340, 75.7226**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **34.2406, 37.8132, 58.9201** is the 20% darker color. If you saturate the color by 10%, you get **56.9951, 62.8388, 103.7329**, and if you desaturate by 10%, it is **75.7537, 81.6753, 106.3800**.

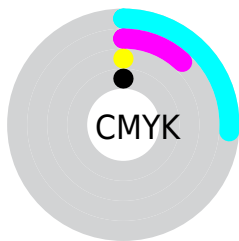
Distribution



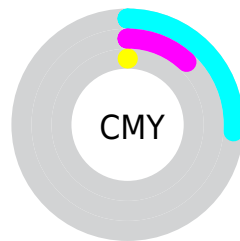
- Red (74%)
- Green (88%)
- Blue (100%)



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



- Cyan (26%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7143, 71.7618, 104.9956 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 65.7143, 71.7618, 104.9956 by changing the saturation by 10% instead.

65.7143, 71.7618,
104.9956

65.7143, 71.7618,
104.9956

434.8592,
466.7121, 597.4760

48.3074, 52.9641,
79.8390

112.1362,
121.7178, 170.1170

34.2826, 37.7741,
59.0605

141.8818,
153.6449, 210.9190

23.2747, 25.8074,
42.2415

176.4711,
190.7173, 257.7731

14.9183, 16.6796,
28.9635

216.2694,
233.3194, 311.0980

8.8480, 10.0063,
18.8078

261.6419,
281.8355, 371.3122

4.6985, 5.4032,
11.3561

312.9542,

2.1044, 2.4857,

336.6500, 438.8343

6.1897

370.5715,
398.1474, 514.0827

■ 0.6916, 0.8695,
2.8901

■ 0.0000, 0.0000,
1.0388

■ 65.7143, 71.7618,
104.9956

■ 65.7143, 71.7618,
104.9956

■ 56.9951, 62.8388,
103.7329

■ 75.7537, 81.6753,
106.3800

■ 49.5277, 54.8599,
102.5864

■ 87.1654, 92.6066,
107.8885

■ 43.2462, 47.7866,
101.5522

95.0500, 100.0000,
108.9000

■ 38.0758, 41.5740,
100.6255

■ 33.9319, 36.1722,
99.8013

■ 30.7164, 31.5236,
99.0735

■ 28.3076, 27.5586,
98.4351

■ 27.5501, 26.2201,
98.2167

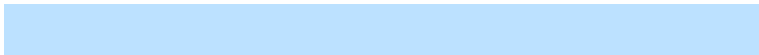
Harmonies

Analogous

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



61.9852, 71.7618, 96.8560



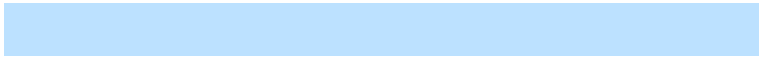
65.7143, 71.7618, 104.9956



70.2778, 71.7618, 105.4395

Triad

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



65.7143, 71.7618, 104.9956



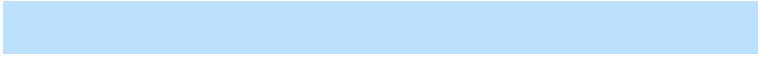
77.1724, 71.7618, 72.4119



62.3116, 71.7618, 61.1504

Complementary

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



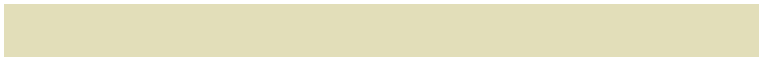
65.7143, 71.7618, 104.9956



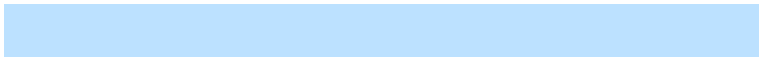
75.3886, 75.0333, 58.0884

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.



66.1782, 71.7618, 56.0073



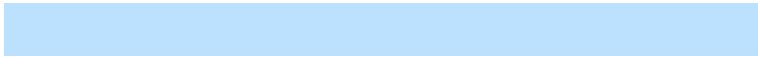
65.7143, 71.7618, 104.9956



74.8328, 71.7618, 61.9990

Square

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



65.7143, 71.7618, 104.9956



77.0344, 71.7618, 85.5906



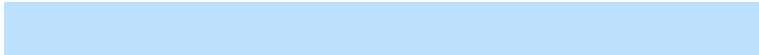
70.7629, 71.7618, 56.2994



60.0819, 71.7618, 71.1281

Rectangle

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



65.7143, 71.7618, 104.9956



73.1911, 71.7618, 101.2315



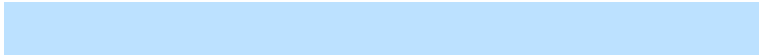
70.7629, 71.7618, 56.2994



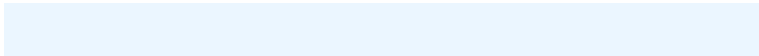
63.4553, 71.7618, 58.8516

Sweetspot

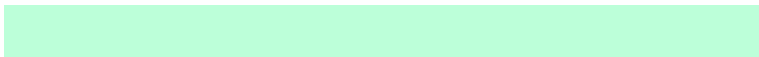
The Sweet Spot groups the original color and five complimentary colors.



65.7163, 71.7646, 104.9961



85.0942, 90.6445, 107.6189



69.0289, 87.2234, 78.8673



17.8348, 19.0412, 22.9853



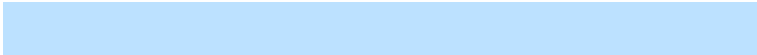
0.0000, 0.0000, 0.0000



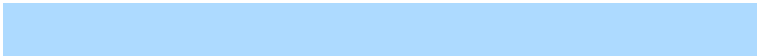
20.3446, 21.4041, 23.3091

Same Dimension

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



65.7163, 71.7646, 104.9961



60.5646, 66.5348, 104.2581



57.7429, 55.8178, 102.3383



17.8348, 19.0412, 22.9853



14.5469, 14.0033, 51.3708



1.5255, 1.5817, 5.0382

Inverse Universe

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



72.8152, 62.6644, 79.4949



68.9764, 56.3872, 73.8983



84.6691, 93.5943, 61.1819



18.4293, 18.1550, 20.8777



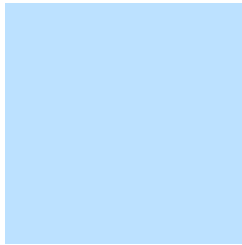
24.1308, 12.1416, 14.6050



2.4046, 1.2042, 1.7120

Previews

White Background



This preview shows how the XYZ color 65.7143, 71.7618, 104.9956 looks on a white background.

Color Contrast Check

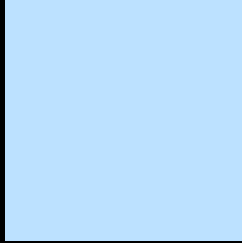
Large Text (above 18pt) WCAG AA × Fail

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 65.7143, 71.7618, 104.9956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

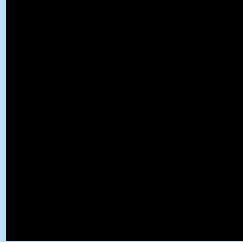
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

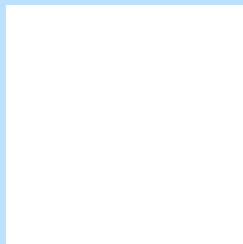
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.7143, 71.7618, 104.9956

Background



This preview shows how black text looks on a background with the XYZ color 65.7143, 71.7618, 104.9956.



This preview shows how white text looks on a background with the XYZ color 65.7143, 71.7618,

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

65.7143, 71.7618, 104.9956

Protanopia

70.3511, 71.4920, 100.5339

Deuteranopia

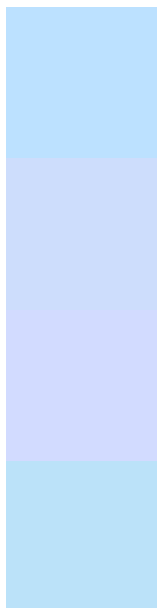
72.7819, 71.5089, 104.5743



Tritanopia

64.2002, 71.9698, 96.8941

Trichromacy



Original Color

65.7143, 71.7618, 104.9956

Protanomaly

68.6040, 71.7203, 102.3230

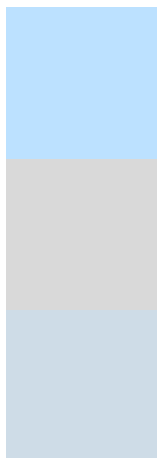
Deuteranomaly

69.9599, 71.5847, 104.7377

Tritanomaly

64.7888, 71.7971, 100.0660

Monochromacy



Original Color

65.7143, 71.7618, 104.9956

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.4706, 70.0777, 85.6770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7143, 71.7618, 104.9956 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(188, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 225, 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(188, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.7143, 71.7618, 104.9956 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(188, 225, 255) }
```


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

```
.border{ border-color:rgb(188, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7143, 71.7618, 104.9956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 225, 255) }
```

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

```
.background{ background-color: rgb(188,  
225, 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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