

Converting Colors

XYZ(65.3942, 72.7792,
105.2089)

Have a look what the booklet for
XYZ(65.3942, 72.7792, 105.2089)
contains.

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Color

**XYZ(65.3218, 72.7741,
105.2117)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E4FF
RGB	183, 228, 255
RGB Percent	72%, 89%, 100%
CMY	0.2823, 0.1059, 0.0000
CMYK	0.28, 0.11, 0.00, 0.00
HSL	202°, 100%, 86%
HSV	202°, 28%, 100%
XYZ	65.3218, 72.7741, 105.2117
YIQ	217.6230, -35.4870, -1.1430

Conversions

Conversions Part 2

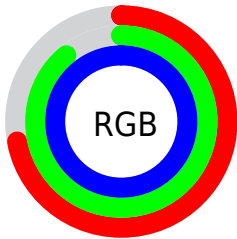
Format	Color
RYB	183, 211, 255
Decimal	12051711
CIELab	88.34, -8.50, -17.83
CIElCh	88, 19.752, 244.514
Yxy	72.7741, 0.2685, 0.2991
Android (android.graphics.Color)	4290241791 (0xFFB7E4FF)
YUV	217.6230, 18.4269, -30.3644
Hunter-Lab	85.3077, -12.6076, -13.4081

Details

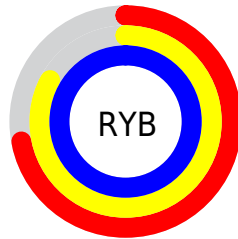
The XYZ color **65.3218, 72.7741, 105.2117** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.8338, 70.7715, 54.6229**, and the grayscale version is **66.2774, 69.7290, 75.9349**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **34.0387, 38.5536, 59.0736** is the 20% darker color. If you saturate the color by 10%, you get **57.2395, 64.8118, 104.1008**, and if you desaturate by 10%, it is **74.6524, 81.5995, 106.4234**.

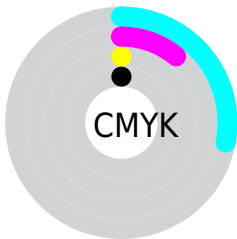
Distribution



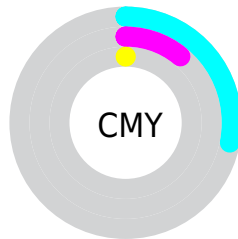
- Red (72%)
- Green (89%)
- Blue (100%)



- Red (72%)
- Yellow (83%)
- Blue (100%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3218, 72.7741, 105.2117 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 65.3218, 72.7741, 105.2117 by changing the saturation by 10% instead.

65.3218, 72.7741,
105.2117

65.3218, 72.7741,
105.2117

433.4744,
470.2315, 598.1645

47.9877, 53.7913,
80.0191

111.5755,
123.1565, 170.4151

34.0284, 38.4348,
59.2078

141.2259,
155.3248, 211.2630

23.0784, 26.3203,
42.3593

175.7124,
192.6571, 258.1663

14.7724, 17.0634,
29.0551

215.4004,
235.5377, 311.5438

8.7451, 10.2797,
18.8765

260.6552,
284.3510, 371.8137

4.6311, 5.5848,
11.4052

311.8423,

2.0650, 2.5943,

339.4815, 439.3948

6.2225

369.3269,
401.3136, 514.7056

■ 0.6701, 0.9238,
2.9099

■ 0.0000, 0.0000,
1.0488

■ 65.3218, 72.7741,
105.2117

■ 65.3218, 72.7741,
105.2117

■ 57.2395, 64.8118,
104.1008

■ 74.6524, 81.5995,
106.4234

■ 50.3377, 57.6687,
103.0858

■ 85.2823, 91.3123,
107.7379

■ 44.5511, 51.3096,
102.1634

95.0500, 100.0000,
108.9000

■ 39.8049, 45.6921,
101.3293

■ 36.0145, 40.7689,
100.5788

■ 33.0798, 36.4847,
99.9065

■ 30.8644, 32.7651,
99.3053

■ 30.5147, 32.1495,
99.2049

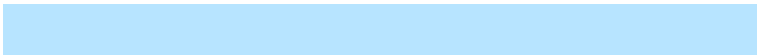
Harmonies

Analogous

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



61.9286, 72.7741, 94.9666



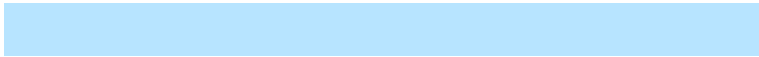
65.3218, 72.7741, 105.2117



69.8894, 72.7741, 108.2101

Triad

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



65.3218, 72.7741, 105.2117



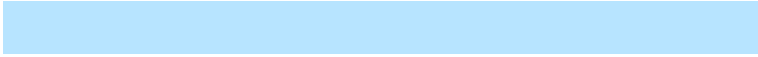
78.6585, 72.7741, 77.2020



64.1332, 72.7741, 59.6192

Complementary

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



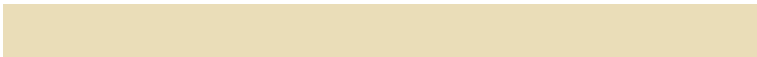
65.3218, 72.7741, 105.2117



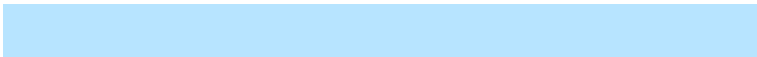
72.8338, 70.7715, 54.6229

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.



68.4548, 72.7741, 55.9632



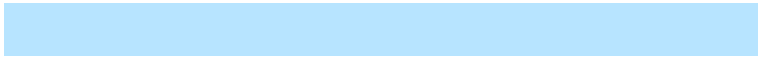
65.3218, 72.7741, 105.2117



76.9541, 72.7741, 65.3507

Square

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



65.3218, 72.7741, 105.2117



77.7268, 72.7741, 91.0083



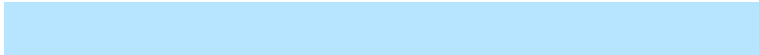
73.1656, 72.7741, 57.9359



61.2647, 72.7741, 68.5301

Rectangle

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



65.3218, 72.7741, 105.2117



73.0203, 72.7741, 105.4378



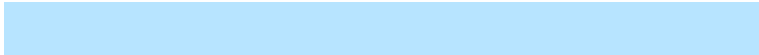
73.1656, 72.7741, 57.9359



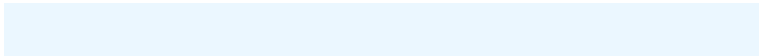
65.4567, 72.7741, 57.7842

Sweetspot

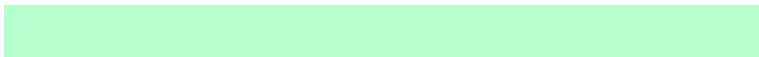
The Sweet Spot groups the original color and five complimentary colors.



65.3238, 72.7769, 105.2122



85.5472, 91.5505, 107.7699



66.8476, 86.2110, 73.7000



17.9490, 19.2697, 23.0234



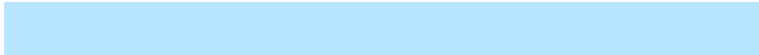
0.0000, 0.0000, 0.0000



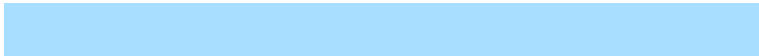
20.3446, 21.4041, 23.3091

Same Dimension

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



65.3238, 72.7769, 105.2122



60.5144, 68.0818, 104.5594



56.5614, 55.2521, 102.2914



17.9490, 19.2697, 23.0234



16.0928, 17.0952, 51.8861



1.6719, 1.8746, 5.0870

Inverse Universe

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



72.1783, 60.7299, 81.3199



68.5489, 54.6765, 76.3938



82.5612, 90.2264, 57.8654



18.4869, 18.1781, 21.1813



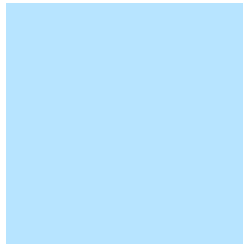
24.9111, 12.4537, 18.7141



2.4785, 1.2338, 2.1013

Previews

White Background



This preview shows how the XYZ color 65.3218, 72.7741, 105.2117 looks on a white background.

Color Contrast Check

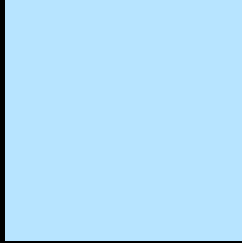
Large Text (above 18pt) WCAG AA × Fail

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 65.3218, 72.7741, 105.2117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

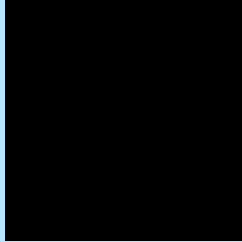
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.3218, 72.7741, 105.2117

Background



This preview shows how black text looks on a background with the XYZ color 65.3218, 72.7741, 105.2117.

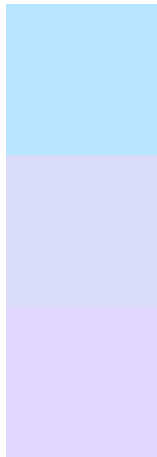


This preview shows how white text looks on a background with the XYZ color 65.3218, 72.7741,

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

65.3218, 72.7741, 105.2117

Protanopia

71.0457, 72.2543, 99.8245

Deuteranopia

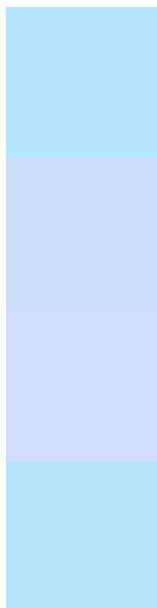
73.6572, 72.3393, 104.6885



Tritanopia

64.0186, 72.6397, 99.4537

Trichromacy



Original Color

65.3218, 72.7741, 105.2117

Protanomaly

68.7107, 72.1867, 101.5788

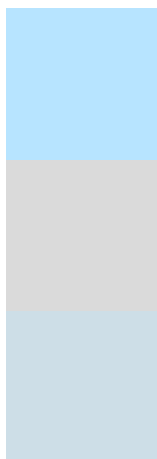
Deuteranomaly

70.2215, 72.1080, 104.8249

Tritanomaly

64.7233, 72.9487, 101.9360

Monochromacy



Original Color

65.3218, 72.7741, 105.2117

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.7219, 70.9912, 85.8401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3218, 72.7741, 105.2117 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(183, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.3218, 72.7741, 105.2117 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(183, 228, 255) }
```


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

```
.border{ border-color:rgb(183, 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(183, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3218, 72.7741, 105.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 228, 255) }
```

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

```
.background{ background-color: rgb(183,  
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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