

Converting Colors

XYZ(91.3296, 83.8770,
243.8889)

Have a look what the booklet for
XYZ(91.3296, 83.8770, 243.8889)
contains.

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Color

**XYZ(65.1692, 73.5169,
105.3631)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E6FF
RGB	180, 230, 255
RGB Percent	71%, 90%, 100%
CMY	0.2941, 0.0980, 0.0000
CMYK	0.29, 0.10, 0.00, 0.00
HSL	200°, 100%, 85%
HSV	200°, 29%, 100%
XYZ	65.1692, 73.5169, 105.3631
YIQ	217.9000, -37.8250, -2.8250

Conversions

Conversions Part 2

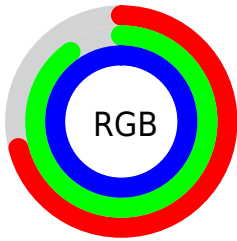
Format	Color
R _Y B	180, 210, 255
Decimal	11855615
CIE Lab	88.69, -10.37, -17.31
CIE LCh	89, 20.182, 239.087
Yxy	73.5169, 0.2670, 0.3012
Android (android.graphics.Color)	4290045695 (0xFFB4E6FF)
YUV	217.9000, 18.2903, -33.2383
Hunter-Lab	85.7420, -14.3775, -12.8385

Details

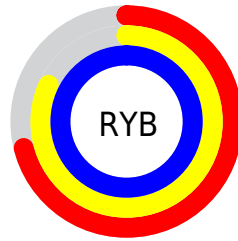
The XYZ color **65.1692, 73.5169, 105.3631** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3097, 68.2177, 52.5908**, and the grayscale version is **66.4700, 69.9316, 76.1555**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **33.7865, 38.7093, 59.1170** is the 20% darker color. If you saturate the color by 10%, you get **57.4626, 66.1197, 104.3415**, and if you desaturate by 10%, it is **74.0872, 81.7134, 106.4752**.

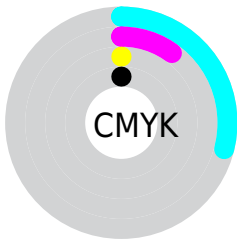
Distribution



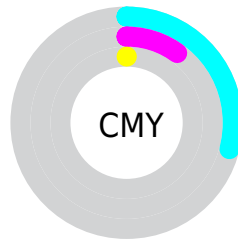
- Red (71%)
- Green (90%)
- Blue (100%)



- Red (71%)
- Yellow (82%)
- Blue (100%)



- Cyan (29%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1692, 73.5169, 105.3631 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 65.1692, 73.5169, 105.3631 by changing the saturation by 10% instead.

65.1692, 73.5169,
105.3631

65.1692, 73.5169,
105.3631

432.9354,
472.8043, 598.6467

47.8635, 54.3987,
80.1452

111.3574,
124.2107, 170.6239

33.9296, 38.9205,
59.3110

140.9707,
156.5552, 211.5039

23.0022, 26.6979,
42.4419

175.4172,
194.0772, 258.4417

14.7158, 17.3465,
29.1193

215.0622,
237.1612, 311.8559

8.7052, 10.4818,
18.9247

260.2712,
286.1915, 372.1649

4.6050, 5.7196,
11.4396

311.4095,

2.0497, 2.6753,

341.5525, 439.7874

6.2455

368.8424,
403.6287, 515.1418

■ 0.6617, 0.9647,
2.9237

■ 0.0000, 0.0000,
1.0558

■ 65.1692, 73.5169,
105.3631

■ 65.1692, 73.5169,
105.3631

■ 57.4626, 66.1197,
104.3415

■ 74.0872, 81.7134,
106.4752

■ 50.8997, 59.4791,
103.4057

■ 84.2676, 90.7324,
107.6795

■ 45.4151, 53.5608,
102.5524

95.0500, 100.0000,
108.9000

■ 40.9340, 48.3236,
101.7777

■ 37.3709, 43.7208,
101.0770

■ 34.6243, 39.6975,
100.4452

■ 32.5397, 36.1714,
99.8745

■ 32.4267, 35.9734,
99.8422

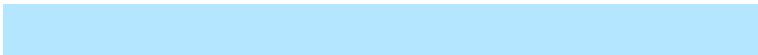
Harmonies

Analogous

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



61.9990, 73.5169, 93.8223



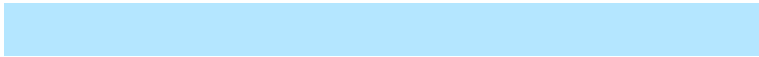
65.1692, 73.5169, 105.3631



69.7264, 73.5169, 110.0063

Triad

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



65.1692, 73.5169, 105.3631



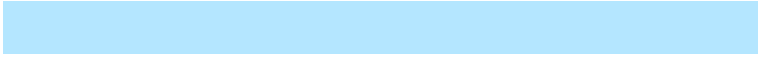
79.6748, 73.5169, 80.4758



65.4164, 73.5169, 58.8022

Complementary

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



65.1692, 73.5169, 105.3631



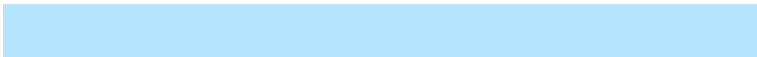
71.3097, 68.2177, 52.5908

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.



70.0250, 73.5169, 56.0908



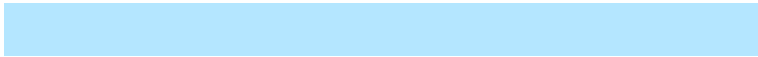
65.1692, 73.5169, 105.3631



78.3926, 73.5169, 67.6914

Square

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



65.1692, 73.5169, 105.3631



78.2315, 73.5169, 94.6481



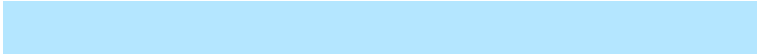
74.8033, 73.5169, 59.1510



62.1370, 73.5169, 67.0312

Rectangle

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



65.1692, 73.5169, 105.3631



72.9864, 73.5169, 108.1958



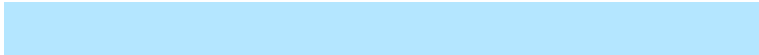
74.8033, 73.5169, 59.1510



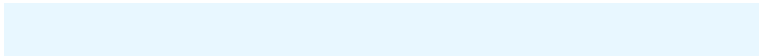
66.8545, 73.5169, 57.2608

Sweetspot

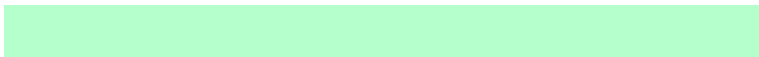
The Sweet Spot groups the original color and five complimentary colors.



65.1712, 73.5197, 105.3636



84.7131, 91.1206, 107.7309



65.4526, 85.5715, 70.0384



17.7961, 19.2104, 23.0200



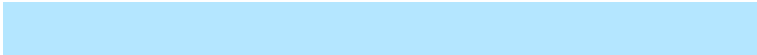
0.0000, 0.0000, 0.0000



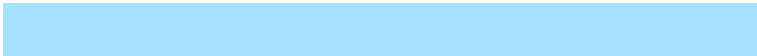
20.3446, 21.4041, 23.3091

Same Dimension

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



65.1712, 73.5197, 105.3636



60.7174, 69.2877, 104.7815



56.1100, 55.3974, 102.3432



18.0149, 19.4014, 23.0453



17.0867, 19.0829, 52.2174



1.7642, 2.0591, 5.1177

Inverse Universe

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



71.8455, 59.6173, 82.5867



68.4561, 53.8917, 78.2099



81.0081, 87.6145, 55.8236



18.5202, 18.1914, 21.3564



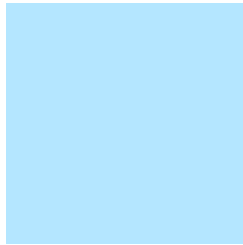
25.4128, 12.6544, 21.3558



2.5251, 1.2524, 2.3466

Previews

White Background



This preview shows how the XYZ color 65.1692, 73.5169, 105.3631 looks on a white background.

Color Contrast Check

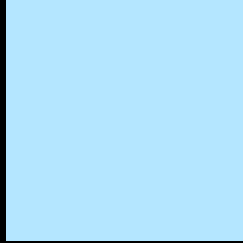
Large Text (above 18pt) WCAG AA × Fail

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 65.1692, 73.5169, 105.3631 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

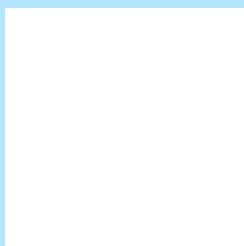
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1692, 73.5169, 105.3631

Background



This preview shows how black text looks on a background with the XYZ color 65.1692, 73.5169, 105.3631.

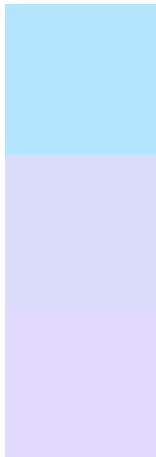


This preview shows how white text looks on a background with the XYZ color 65.1692, 73.5169,

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

65.1692, 73.5169, 105.3631

Protanopia

71.6055, 72.9314, 99.9257

Deuteranopia

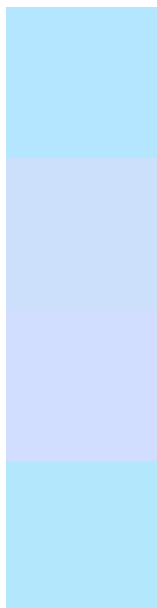
74.2269, 73.0145, 104.7888



Tritanopia

64.2652, 73.5751, 100.4368

Trichromacy



Original Color

65.1692, 73.5169, 105.3631

Protanomaly

68.9701, 73.1137, 101.7440

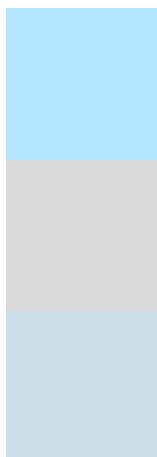
Deuteranomaly

70.4658, 73.0179, 104.9877

Tritanomaly

64.5789, 73.7006, 102.0887

Monochromacy



Original Color

65.1692, 73.5169, 105.3631

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4469, 70.8494, 85.8272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1692, 73.5169, 105.3631 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(180, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 230, 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(180, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.1692, 73.5169, 105.3631 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(180, 230, 255) }
```


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

```
.border{ border-color:rgb(180, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(180, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1692, 73.5169, 105.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 230, 255) }
```

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

```
.background{ background-color: rgb(180,  
230, 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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