

Converting Colors

XYZ(69.9814, 81.7910,
130.8310)

Have a look what the booklet for
XYZ(69.9814, 81.7910, 130.8310)
contains.

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Color

**XYZ(65.4003, 80.1019,
106.6220)**

Conversions

Conversions Part 1

Format	Color
Hex	A1F5FF
RGB	161, 245, 255
RGB Percent	63%, 96%, 100%
CMY	0.3686, 0.0392, 0.0000
CMYK	0.37, 0.04, 0.00, 0.00
HSL	186°, 100%, 82%
HSV	186°, 37%, 100%
XYZ	65.4003, 80.1019, 106.6220
YIQ	221.0240, -53.2740, -14.6980

Conversions

Conversions Part 2

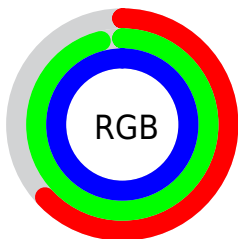
Format	Color
R_{YB}	161, 205, 255
Decimal	10614271
CIE _{Lab}	91.73, -22.94, -12.86
CIE _{LCh}	92, 26.298, 209.284
Yxy	80.1019, 0.2594, 0.3177
Android (android.graphics.Color)	4288804351 (0xFFA1F5FF)
YUV	221.0240, 16.7502, -52.6410
Hunter-Lab	89.4997, -26.1887, -7.9831

Details

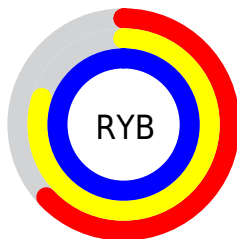
The XYZ color **65.4003, 80.1019, 106.6220** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.2361, 52.9589, 40.6618**, and the grayscale version is **68.6588, 72.2345, 78.6633**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **34.0996, 43.4155, 60.0089** is the 20% darker color. If you saturate the color by 10%, you get **59.9623, 76.0915, 106.1345**, and if you desaturate by 10%, it is **71.9025, 84.6827, 107.1635**.

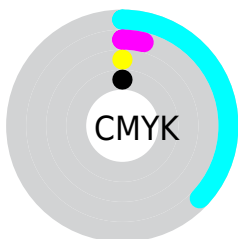
Distribution



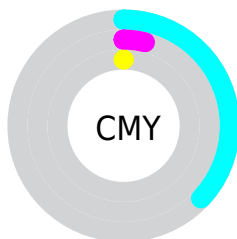
- Red (63%)
- Green (96%)
- Blue (100%)



- Red (63%)
- Yellow (80%)
- Blue (100%)



- Cyan (37%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4003, 80.1019, 106.6220 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 65.4003, 80.1019, 106.6220 by changing the saturation by 10% instead.


 65.4003, 80.1019,
106.6220


 65.4003, 80.1019,
106.6220


433.7516,
495.2762, 602.6482

 48.0516, 59.8022,
81.1946


 111.6877,
133.5090, 172.3589

 34.0792, 43.2592,
60.1700


 141.3571,
167.3852, 213.5056

 23.1176, 30.0886,
43.1295

175.8642,
206.5557, 260.7291

 14.8016, 19.9058,
29.6546

215.5743,
251.4048, 314.4480

 8.7656, 12.3266,
19.3267

260.8527,
302.3171, 375.0808

 4.6445, 6.9665,
11.7274

312.0648,

 2.0728, 3.4412,

359.6768, 443.0461

6.4381

369.5760,
423.8683, 518.7624

0.6744, 1.3662,
3.0402

0.0000, 0.1916,
1.1152

65.4003, 80.1019,
106.6220

65.4003, 80.1019,
106.6220

59.9623, 76.0915,
106.1345

71.9025, 84.6827,
107.1635

55.5178, 72.6090,
105.6966

79.5211, 89.8550,
107.7603

51.9978, 69.6209,
105.3054

88.3128, 95.6500,
108.4155

49.3216, 67.0854,
104.9570

95.0500, 100.0000,
108.9000

■ 47.3944, 64.9536,
104.6471

■ 46.0961, 63.1634,
104.3700

■ 45.7613, 62.6426,
104.2871

Harmonies

Analogous

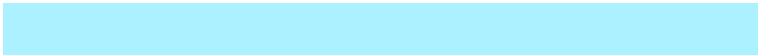
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9187, 80.1019, 86.7554



65.4003, 80.1019, 106.6220



69.7166, 80.1019, 123.1002

Triad

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



65.4003, 80.1019, 106.6220



87.8054, 80.1019, 107.5411



76.2962, 80.1019, 55.1711

Complementary

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



65.4003, 80.1019, 106.6220



62.2361, 52.9589, 40.6618

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.



82.9345, 80.1019, 59.0879



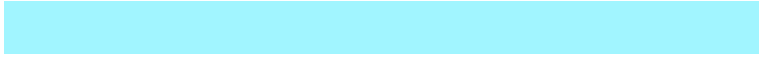
65.4003, 80.1019, 106.6220



89.8151, 80.1019, 87.6810

Square

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



65.4003, 80.1019, 106.6220



82.6386, 80.1019, 123.6834



87.9832, 80.1019, 70.3226



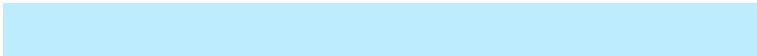
69.9809, 80.1019, 58.7317

Rectangle

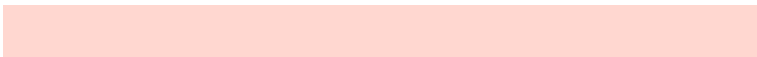
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.4003, 80.1019, 106.6220



73.7545, 80.1019, 128.9159



87.9832, 80.1019, 70.3226



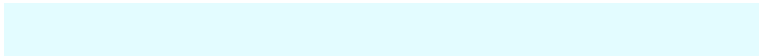
78.5650, 80.1019, 55.6464

Sweetspot

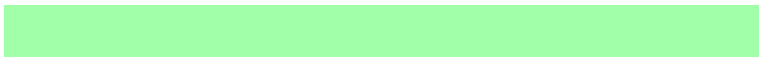
The Sweet Spot groups the original color and five complimentary colors.



65.4024, 80.1049, 106.6225



84.5286, 93.1743, 108.1371



57.7526, 82.0150, 51.0172



17.8369, 19.7747, 23.1267



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.



65.4024, 80.1049, 106.6225



61.4142, 77.1841, 106.2689



53.0807, 55.4615, 102.5152



18.3801, 20.1319, 23.1671



23.9779, 32.8654, 54.5145



2.3800, 3.2907, 5.3230

Inverse Universe

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



70.4676, 53.3439, 92.9721



67.2205, 47.3201, 90.4392



72.5898, 73.6663, 44.1131



18.7045, 18.2651, 22.3272



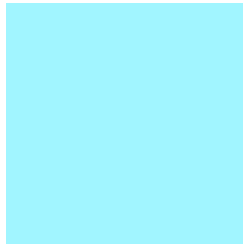
28.8911, 14.0457, 39.6727



2.8359, 1.3767, 3.9833

Previews

White Background



This preview shows how the XYZ color 65.4003, 80.1019, 106.6220 looks on a white background.

Color Contrast Check

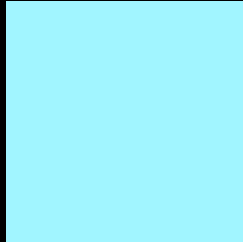
Large Text (above 18pt) WCAG AA × Fail

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 65.4003, 80.1019, 106.6220 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 65.4003, 80.1019, 106.6220

Background



This preview shows how black text looks on a background with the XYZ color 65.4003, 80.1019, 106.6220.

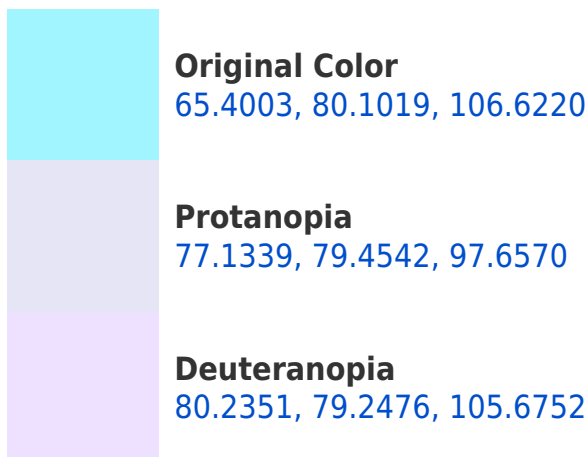


This preview shows how white text looks on a background with the XYZ color 65.4003, 80.1019,

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

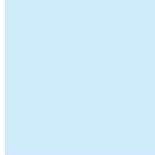
68.9773, 79.7305, 106.3618

Trichromacy



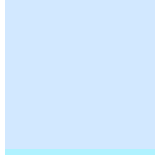
Original Color

65.4003, 80.1019, 106.6220



Protanomaly

71.9841, 79.2354, 101.1225



Deuteranomaly

73.4850, 78.6349, 105.9127



Tritanomaly

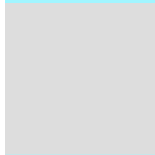
67.7066, 79.9544, 106.4720

Monochromacy



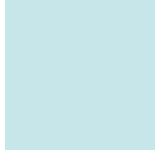
Original Color

65.4003, 80.1019, 106.6220



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.5580, 74.6189, 87.9857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4003, 80.1019, 106.6220 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(161, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 245, 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(161, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.4003, 80.1019, 106.6220 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(161, 245, 255) }
```


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

```
.border{ border-color:rgb(161, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4003, 80.1019, 106.6220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 245, 255) }
```

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

```
.background{ background-color: rgb(161,  
245, 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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