

Converting Colors

XYZ(71.7535, 96.7867,
102.8995)

Have a look what the booklet for
XYZ(71.7535, 96.7867, 102.8995)
contains.

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Color

**XYZ(65.8749, 85.1054,
100.9507)**

Conversions

Conversions Part 1

Format	Color
Hex	9AFF7
RGB	154, 255, 247
RGB Percent	60%, 100%, 97%
CMY	0.3961, 0.0000, 0.0314
CMYK	0.40, 0.00, 0.03, 0.00
HSL	175°, 100%, 80%
HSV	175°, 40%, 100%
XYZ	65.8749, 85.1054, 100.9507
YIQ	223.8890, -57.6280, -23.9000

Conversions

Conversions Part 2

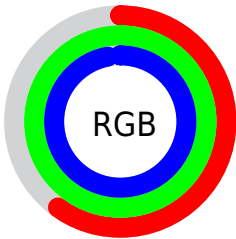
Format	Color
RYB	154, 207, 255
Decimal	10158071
CIELab	93.93, -31.35, -5.49
CIElCh	94, 31.823, 189.931
Yxy	85.1054, 0.2615, 0.3378
Android (android.graphics.Color)	4288348151 (0xFF9AFF7)
YUV	223.8890, 11.3937, -61.2927
Hunter-Lab	92.2526, -33.9804, -0.3034

Details

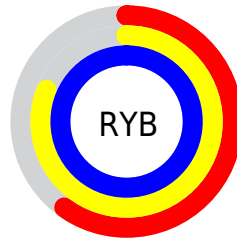
The XYZ color **65.8749, 85.1054, 100.9507** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.3180, 46.9812, 40.1253**, and the grayscale version is **70.7231, 74.4063, 81.0284**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **34.4219, 46.6366, 56.4777** is the 20% darker color. If you saturate the color by 10%, you get **61.2168, 82.7399, 99.1160**, and if you desaturate by 10%, it is **71.5693, 88.0047, 102.8544**.

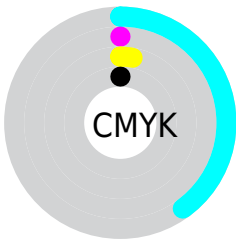
Distribution



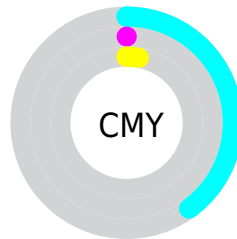
- Red (60%)
- Green (100%)
- Blue (97%)



- Red (60%)
- Yellow (81%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8749, 85.1054, 100.9507 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 65.8749, 85.1054, 100.9507 by changing the saturation by 10% instead.


 65.8749, 85.1054,
100.9507


 65.8749, 85.1054,
100.9507


435.4250,
511.9768, 584.5091

 48.4382, 63.9285,
76.4734


 112.3655,
140.5204, 164.5263

 34.3867, 46.5927,
56.3118


 142.1501,
175.5273, 204.4617

 23.3551, 32.7138,
40.0473

176.7813,
215.9130, 250.3870

 14.9781, 21.9073,
27.2614

216.6246,
262.0618, 302.7205

 8.8902, 13.7888,
17.5354

262.0453,
314.3582, 361.8810

 4.7262, 7.9739,
10.4510

313.4086,

 2.1206, 4.0783,

373.1866, 428.2869

5.5895

371.0801,
438.9313, 502.3568

■ 0.7004, 1.7174,
2.5324

■ 0.0000, 0.4349,
0.8573

■ 65.8749, 85.1054,
100.9507

■ 65.8749, 85.1054,
100.9507

■ 61.2168, 82.7399,
99.1160

■ 71.5693, 88.0047,
102.8544

■ 57.5260, 80.8726,
97.3427

■ 78.3569, 91.4673,
104.8255

■ 54.7301, 79.4663,
95.6288

■ 86.2943, 95.5222,
106.8681

■ 52.7451, 78.4777,
93.9703

95.0500, 100.0000,
108.9000

■ 51.4711, 77.8552,
92.3625

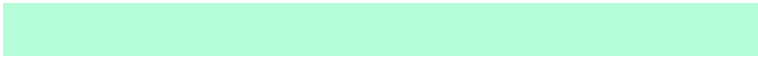
■ 50.7514, 77.5180,
90.7979

■ 50.7273, 77.5069,
90.7369

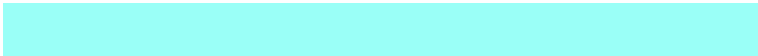
Harmonies

Analogous

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



66.5271, 85.1054, 77.5534



65.8749, 85.1054, 100.9507



69.0251, 85.1054, 125.9702

Triad

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



65.8749, 85.1054, 100.9507



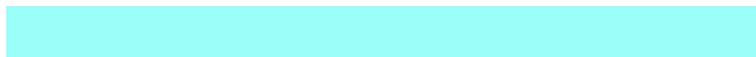
91.8088, 85.1054, 133.2636



86.6127, 85.1054, 55.3738

Complementary

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



65.8749, 85.1054, 100.9507



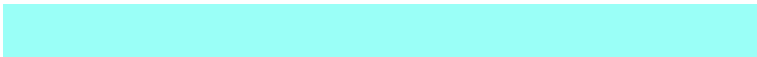
59.3180, 46.9812, 40.1253

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.



94.0424, 85.1054, 65.8181



65.8749, 85.1054, 100.9507



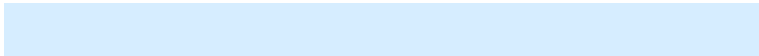
97.1846, 85.1054, 109.6229

Square

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



65.8749, 85.1054, 100.9507



83.7337, 85.1054, 146.6656



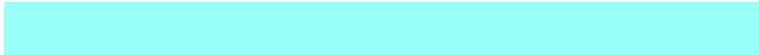
98.0294, 85.1054, 84.8461



78.1117, 85.1054, 53.8731

Rectangle

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



65.8749, 85.1054, 100.9507



72.9958, 85.1054, 139.2142



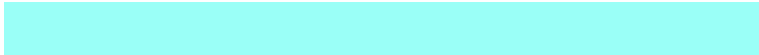
98.0294, 85.1054, 84.8461



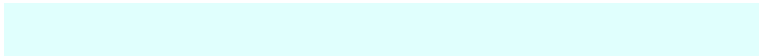
89.3340, 85.1054, 57.8558

Sweetspot

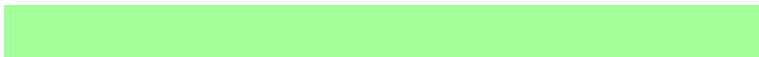
The Sweet Spot groups the original color and five complimentary colors.



65.8760, 85.1059, 100.9522



84.2868, 94.4962, 106.3725



56.5789, 81.5787, 43.3378



17.8125, 20.1094, 22.7106



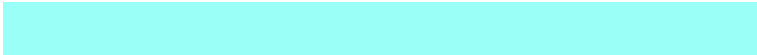
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



65.8760, 85.1059, 100.9522



61.8981, 83.0854, 99.4066



55.1509, 61.6378, 103.5983



18.4891, 20.4552, 22.8787



26.5322, 40.5095, 47.5491



2.6010, 3.9513, 4.7228

Inverse Universe

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



59.3180, 46.9812, 40.1253



54.4774, 39.8875, 30.5346



66.8323, 63.1117, 39.2329



18.0677, 18.0104, 18.9739



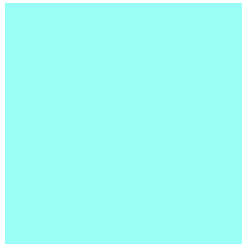
21.6361, 11.1437, 1.4680



2.1258, 1.0927, 0.2438

Previews

White Background



This preview shows how the XYZ color 65.8749, 85.1054, 100.9507 looks on a white background.

Color Contrast Check

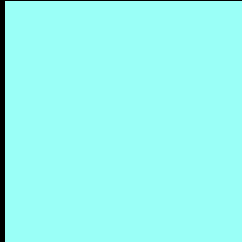
Large Text (above 18pt) WCAG AA × Fail

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 65.8749, 85.1054, 100.9507 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 65.8749, 85.1054, 100.9507

Background



This preview shows how black text looks on a background with the XYZ color 65.8749, 85.1054, 100.9507.

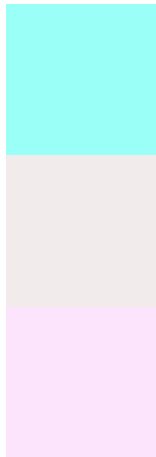


This preview shows how white text looks on a background with the XYZ color 65.8749, 85.1054,

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

65.8749, 85.1054, 100.9507

Protanopia

80.9794, 84.1156, 90.5651

Deuteranopia

85.7349, 83.7623, 103.7445



Tritanopia

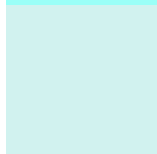
74.7578, 84.4779, 106.9735

Trichromacy



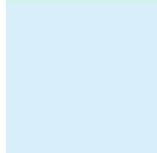
Original Color

65.8749, 85.1054, 100.9507



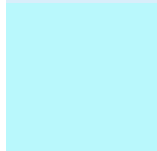
Protanomaly

73.6266, 83.2916, 93.8577



Deuteranomaly

76.1488, 82.6501, 102.3821



Tritanomaly

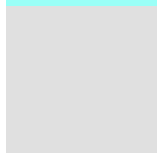
71.1457, 84.4774, 104.6514

Monochromacy



Original Color

65.8749, 85.1054, 100.9507



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.8270, 77.3850, 87.7059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8749, 85.1054, 100.9507 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(154, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 247)  
}
```

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(154, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 65.8749, 85.1054, 100.9507 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(154, 255, 247) }
```


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

```
.border{ border-color:rgb(154, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(154, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8749, 85.1054, 100.9507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 247) }
```

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

```
.background{ background-color: rgb(154,  
255, 247) }
```

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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