

Converting Colors

XYZ(64.5150, 84.3697,
102.4508)

Have a look what the booklet for
XYZ(64.5150, 84.3697, 102.4508)
contains.

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Color

**XYZ(64.5359, 84.3793,
102.5080)**

Conversions

Conversions Part 1

Format	Color
Hex	91FFF9
RGB	145, 255, 249
RGB Percent	57%, 100%, 98%
CMY	0.4314, 0.0000, 0.0235
CMYK	0.43, 0.00, 0.02, 0.00
HSL	177°, 100%, 78%
HSV	177°, 43%, 100%
XYZ	64.5359, 84.3793, 102.5080
YIQ	221.4260, -63.6340, -25.1860

Conversions

Conversions Part 2

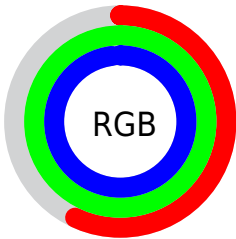
Format	Color
RYB	145, 202, 255
Decimal	9568249
CIELab	93.61, -33.01, -7.03
CIElCh	94, 33.753, 192.016
Yxy	84.3793, 0.2567, 0.3356
Android (android.graphics.Color)	4287758329 (0xFF91FFF9)
YUV	221.4260, 13.5940, -67.0256
Hunter-Lab	91.8582, -35.3449, -1.8632

Details

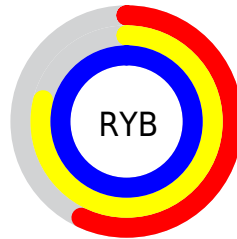
The XYZ color **64.5359, 84.3793, 102.5080** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.9522, 43.7465, 34.7214**, and the grayscale version is **68.9663, 72.5579, 79.0156**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **33.5660, 46.1697, 57.5946** is the 20% darker color. If you saturate the color by 10%, you get **60.3202, 82.2309, 101.1840**, and if you desaturate by 10%, it is **69.7637, 87.0491, 103.8906**.

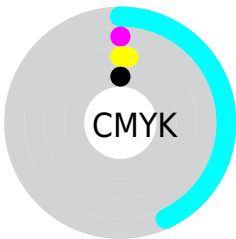
Distribution



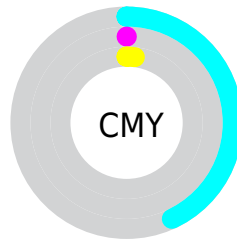
- Red (57%)
- Green (100%)
- Blue (98%)



- Red (57%)
- Yellow (79%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5359, 84.3793, 102.5080 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 64.5359, 84.3793, 102.5080 by changing the saturation by 10% instead.

 64.5359, 84.3793,
102.5080


 64.5359, 84.3793,
102.5080


430.6939,
509.5719, 589.5192

 47.3482, 63.3286,
77.7682


 110.4518,
139.5056, 166.6813

 33.5201, 46.1071,
57.3683


 139.9106,
174.3501, 206.9520

 22.6863, 32.3304,
40.8897

174.1906,
214.5613, 253.2366

 14.4815, 21.6140,
27.9138

213.6570,
260.5236, 305.9539

 8.5402, 13.5735,
18.0222

258.6751,
312.6214, 365.5222

 4.4972, 7.8246,
10.7963

309.6104,

 1.9871, 3.9829,

371.2392, 432.3601

5.8176

366.8283,
436.7612, 506.8863

■ 0.6267, 1.6640,
2.6675

■ 0.0000, 0.4002,
0.9270

■ 64.5359, 84.3793,
102.5080

■ 64.5359, 84.3793,
102.5080

■ 60.3202, 82.2309,
101.1840

■ 69.7637, 87.0491,
103.8906

■ 57.0450, 80.5673,
99.9110

■ 76.0623, 90.2708,
105.3303

■ 54.6347, 79.3494,
98.6868

■ 83.4898, 94.0743,
106.8312

■ 53.0006, 78.5313,
97.5072

■ 92.0991, 98.4869,
108.3959

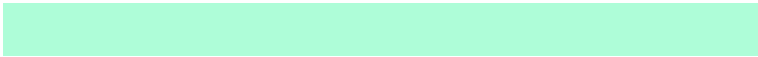
■ 52.0347, 78.0576, 95.0500, 100.0000,
96.3672 108.9000

■ 51.6513, 77.8765,
95.6026

Harmonies

Analogous

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



64.9375, 84.3793, 77.4988



64.5359, 84.3793, 102.5080



68.0958, 84.3793, 128.9182

Triad

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



64.5359, 84.3793, 102.5080



92.2633, 84.3793, 133.5145



85.6248, 84.3793, 52.5577

Complementary

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



64.5359, 84.3793, 102.5080



56.9522, 43.7465, 34.7214

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.



93.6598, 84.3793, 62.7084



64.5359, 84.3793, 102.5080



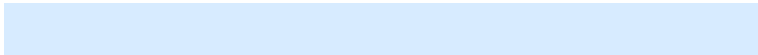
97.6841, 84.3793, 107.9268

Square

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



64.5359, 84.3793, 102.5080



83.8316, 84.3793, 148.9213



98.2134, 84.3793, 82.0034



76.6748, 84.3793, 51.6488

Rectangle

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



64.5359, 84.3793, 102.5080



72.4022, 84.3793, 142.5602



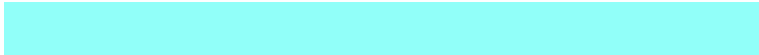
98.2134, 84.3793, 82.0034



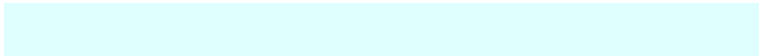
88.5385, 84.3793, 54.9006

Sweetspot

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



64.5370, 84.3798, 102.5095



83.5986, 94.1300, 106.8520



53.8833, 80.2725, 39.4440



17.5205, 19.9566, 22.7986



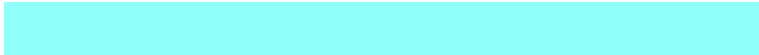
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.5370, 84.3798, 102.5095



60.7503, 82.4498, 101.3318



52.1219, 58.0284, 103.0612



18.5096, 20.4634, 22.9863



27.0075, 40.6996, 50.0522



2.6422, 3.9678, 4.9396

Inverse Universe

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



56.9522, 43.7465, 34.7214



52.2533, 36.8793, 25.3538



65.3480, 61.2982, 35.1773



18.0495, 18.0031, 18.8780



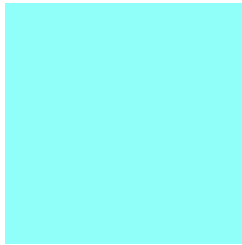
21.6059, 11.1317, 1.3094



2.1172, 1.0892, 0.1985

Previews

White Background



This preview shows how the XYZ color 64.5359, 84.3793, 102.5080 looks on a white background.

Color Contrast Check

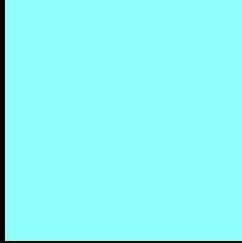
Large Text (above 18pt) WCAG AA × Fail

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 64.5359, 84.3793, 102.5080 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 64.5359, 84.3793, 102.5080

Background



This preview shows how black text looks on a background with the XYZ color 64.5359, 84.3793, 102.5080.

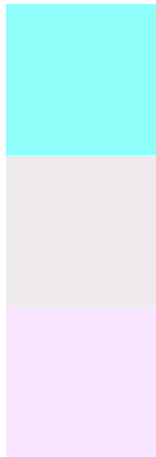


This preview shows how white text looks on a background with the XYZ color 64.5359, 84.3793,

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

64.5359, 84.3793, 102.5080

Protanopia

80.3055, 83.3108, 91.9688

Deuteranopia

85.1362, 83.3984, 106.2181



Tritanopia

73.4266, 83.7917, 106.9112

Trichromacy



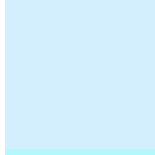
Original Color

64.5359, 84.3793, 102.5080



Protanomaly

72.8062, 82.8343, 95.3704



Deuteranomaly

75.1681, 82.0898, 104.8116



Tritanomaly

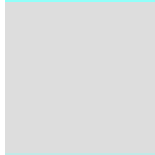
69.6571, 83.6916, 105.4113

Monochromacy



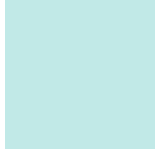
Original Color

64.5359, 84.3793, 102.5080



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.5550, 75.3848, 86.6969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5359, 84.3793, 102.5080 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(145, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 249)  
}
```

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(145, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 64.5359, 84.3793, 102.5080 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(145, 255, 249) }
```


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

```
.border{ border-color:rgb(145, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5359, 84.3793, 102.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 249) }
```

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

```
.background{ background-color: rgb(145,  
255, 249) }
```

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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