

Converting Colors

XYZ(63.5513, 84.0991, 92.1896)

Have a look what the booklet for
XYZ(63.5513, 84.0991, 92.1896)
contains.

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Color

**XYZ(63.4780, 84.0602,
92.2365)**

Conversions

Conversions Part 1

Format	Color
Hex	96FFEC
RGB	150, 255, 236
RGB Percent	59%, 100%, 93%
CMY	0.4118, 0.0000, 0.0745
CMYK	0.41, 0.00, 0.07, 0.00
HSL	169°, 100%, 79%
HSV	169°, 41%, 100%
XYZ	63.4780, 84.0602, 92.2365
YIQ	221.4390, -56.4810, -28.1690

Conversions

Conversions Part 2

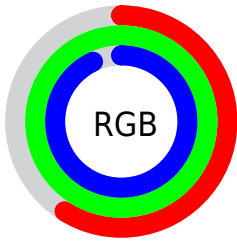
Format	Color
RYB	150, 208, 255
Decimal	9895916
CIELab	93.48, -34.83, -0.49
CIELCh	93, 34.835, 180.800
Yxy	84.0602, 0.2647, 0.3506
Android (android.graphics.Color)	4288085996 (0xFF96FFEC)
YUV	221.4390, 7.1786, -62.6520
Hunter-Lab	91.6843, -36.8625, 4.5320

Details

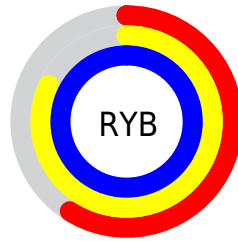
The XYZ color **63.4780, 84.0602, 92.2365** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.3085, 45.9385, 43.2781**, and the grayscale version is **69.0154, 72.6096, 79.0718**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **32.8459, 45.9588, 50.3198** is the 20% darker color. If you saturate the color by 10%, you get **58.6238, 81.6342, 88.5560**, and if you desaturate by 10%, it is **69.3723, 87.0203, 96.0589**.

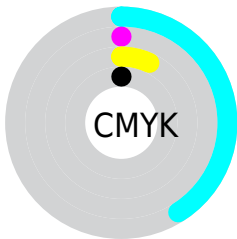
Distribution



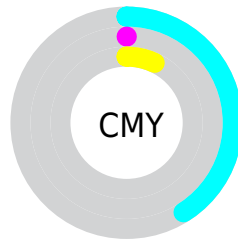
- Red (59%)
- Green (100%)
- Blue (93%)



- Red (59%)
- Yellow (82%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4780, 84.0602, 92.2365 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 63.4780, 84.0602, 92.2365 by changing the saturation by 10% instead.


 63.4780, 84.0602,
92.2365


 63.4780, 84.0602,
92.2365


426.9343,
508.5131, 556.0363

 46.4881, 63.0651,
69.2530

 108.9368,
139.0594, 152.4037

 32.8374, 45.8939,
50.4447


 138.1364,
173.8323, 190.4244

 22.1606, 32.1621,
35.3932


172.1366,
213.9666, 234.2945

 14.0922, 21.4854,
23.6800

211.3028,
259.8467, 284.4327

 8.2669, 13.4792,
14.8864

256.0003,
311.8571, 341.2574

 4.3195, 7.7594,
8.5940

306.5945,

 1.8844, 3.9414,

370.3820, 405.1872

4.3841

363.4507,
435.8059, 476.6407

■ 0.5678, 1.6408,
1.8383

■ 0.0000, 0.3849,
0.4531

■ 63.4780, 84.0602,
92.2365

■ 63.4780, 84.0602,
92.2365

■ 58.6238, 81.6342,
88.5560

■ 69.3723, 87.0203,
96.0589

■ 54.7399, 79.7064,
85.0093

■ 76.3649, 90.5446,
100.0223

■ 51.7522, 78.2387,
81.5936

■ 84.5130, 94.6626,
104.1316

■ 49.5746, 77.1867,
78.3042

■ 93.8690, 99.4013,
108.3897

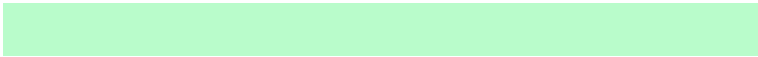
■ 48.1037, 76.4970, 95.0500, 100.0000,
75.1356 108.9000

■ 47.2513, 76.1165,
72.4324

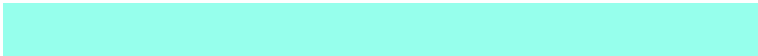
Harmonies

Analogous

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



65.4250, 84.0602, 68.9640



63.4780, 84.0602, 92.2365



65.6414, 84.0602, 120.0042

Triad

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



63.4780, 84.0602, 92.2365



89.3037, 84.0602, 142.3200



88.8437, 84.0602, 54.0356

Complementary

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



63.4780, 84.0602, 92.2365



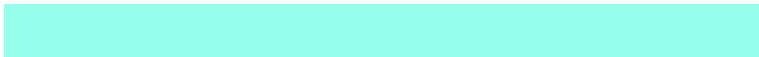
59.3085, 45.9385, 43.2781

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.



96.0795, 84.0602, 67.9544



63.4780, 84.0602, 92.2365



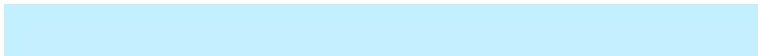
96.3591, 84.0602, 118.5424

Square

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



63.4780, 84.0602, 92.2365



80.1440, 84.0602, 152.1229



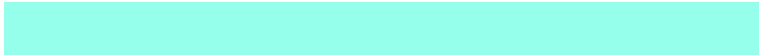
98.9273, 84.0602, 90.8217



79.6499, 84.0602, 49.6325

Rectangle

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



63.4780, 84.0602, 92.2365



69.2271, 84.0602, 136.6816



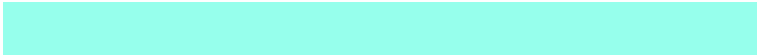
98.9273, 84.0602, 90.8217



91.6099, 84.0602, 57.6056

Sweetspot

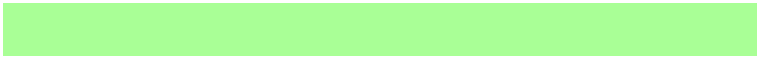
The Sweet Spot groups the original color and five complimentary colors.



63.4789, 84.0606, 92.2380



83.7958, 94.2998, 103.7870



57.6818, 82.1851, 41.6789



17.6963, 20.0629, 22.0983



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

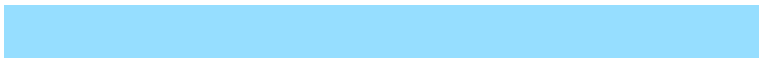
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.4789, 84.0606, 92.2380



59.5948, 82.1183, 89.3452



56.6836, 65.8148, 104.3237



18.4055, 20.4217, 22.4385



24.7409, 39.7930, 38.1165



2.4440, 3.8885, 3.8960

Inverse Universe

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



59.3085, 45.9385, 43.2781



54.9509, 39.5272, 34.7226



63.7309, 57.4333, 36.5825



18.1436, 18.0407, 19.3731



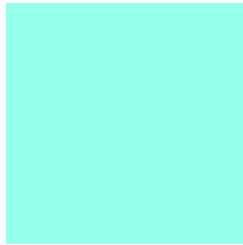
21.8463, 11.2278, 2.5753



2.1617, 1.1070, 0.4328

Previews

White Background



This preview shows how the XYZ color 63.4780, 84.0602, 92.2365 looks on a white background.

Color Contrast Check

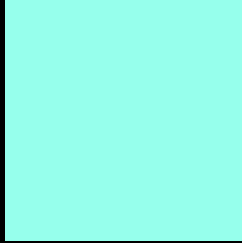
Large Text (above 18pt) WCAG AA × Fail

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 63.4780, 84.0602, 92.2365 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

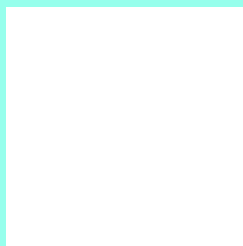
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4780, 84.0602, 92.2365

Background



This preview shows how black text looks on a background with the XYZ color 63.4780, 84.0602, 92.2365.

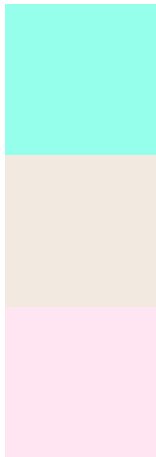


This preview shows how white text looks on a background with the XYZ color 63.4780, 84.0602,

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

63.4780, 84.0602, 92.2365

Protanopia

79.4953, 83.1047, 82.3720

Deuteranopia

85.0104, 83.1576, 95.5749



Tritanopia

73.3893, 83.3270, 106.8234

Trichromacy



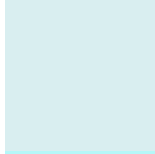
Original Color

63.4780, 84.0602, 92.2365



Protanomaly

72.0502, 82.6610, 85.5565



Deuteranomaly

74.9180, 82.1921, 94.3541



Tritanomaly

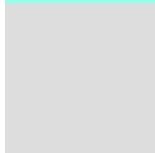
69.2601, 83.1226, 101.2008

Monochromacy



Original Color

63.4780, 84.0602, 92.2365



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.3721, 75.3709, 83.0541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4780, 84.0602, 92.2365 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(150, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 236)  
}
```

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(150, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 63.4780, 84.0602, 92.2365 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(150, 255, 236) }
```


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

```
.border{ border-color:rgb(150, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4780, 84.0602, 92.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 236) }
```

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

```
.background{ background-color: rgb(150,  
255, 236) }
```

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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