

Converting Colors

XYZ(63.4330, 80.2714, 93.2779)

Have a look what the booklet for
XYZ(63.4330, 80.2714, 93.2779)
contains.

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Color

**XYZ(63.3913, 80.2716,
93.0418)**

Conversions

Conversions Part 1

Format	Color
Hex	A1F7EE
RGB	161, 247, 238
RGB Percent	63%, 97%, 93%
CMY	0.3686, 0.0314, 0.0667
CMYK	0.35, 0.00, 0.04, 0.03
HSL	174°, 84%, 80%
HSV	174°, 35%, 97%
XYZ	63.3913, 80.2716, 93.0418
YIQ	220.2600, -48.3670, -21.0310

Conversions

Conversions Part 2

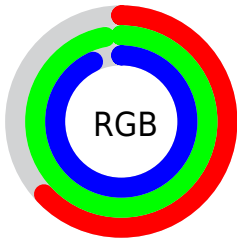
Format	Color
R_{YB}	161, 206, 247
Decimal	10614766
CIE _{Lab}	91.81, -27.83, -3.91
CIE _{LCh}	92, 28.106, 188.007
Yxy	80.2716, 0.2678, 0.3391
Android (android.graphics.Color)	4288804846 (0xFFA1F7EE)
YUV	220.2600, 8.7458, -51.9710
Hunter-Lab	89.5944, -30.4950, 1.1448

Details

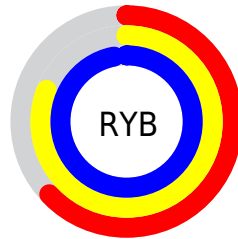
The XYZ color **63.3913, 80.2716, 93.0418** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.3611, 48.1684, 44.2547**, and the grayscale version is **68.1759, 71.7264, 78.1100**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **32.6827, 43.2076, 50.8733** is the 20% darker color. If you saturate the color by 10%, you get **58.5203, 77.8061, 90.8465**, and if you desaturate by 10%, it is **69.2556, 83.2525, 95.3155**.

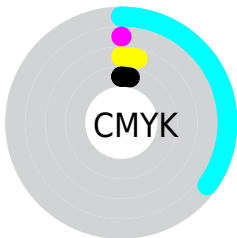
Distribution



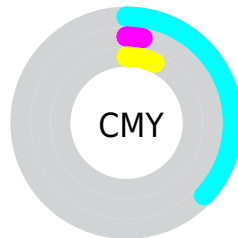
- Red (63%)
- Green (97%)
- Blue (93%)



- Red (63%)
- Yellow (81%)
- Blue (97%)



- Cyan (35%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)





- Cyan (37%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3913, 80.2716, 93.0418 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 63.3913, 80.2716, 93.0418 by changing the saturation by 10% instead.


 63.3913, 80.2716,
93.0418


 63.3913, 80.2716,
93.0418


426.6253,
495.8477, 558.7002

 46.4177, 59.9419,
69.9184


 108.8125,
133.7475, 153.5287

 32.7816, 43.3718,
50.9836


 137.9908,
167.6625, 191.7292

 22.1176, 30.1769,
35.8189


171.9680,
206.8747, 235.7926

 14.0604, 19.9729,
24.0058

211.1094,
251.7685, 286.1373

 8.2447, 12.3754,
15.1257

255.7806,
302.7283, 343.1819

 4.3050, 6.9999,
8.7600

306.3467,

 1.8761, 3.4620,

360.1385, 407.3448

4.4903

363.1732,
424.3835, 479.0448

■ 0.5629, 1.3774,
1.8980

■ 0.0000, 0.2000,
0.4915

■ 63.3913, 80.2716,
93.0418

■ 63.3913, 80.2716,
93.0418

■ 58.5203, 77.8061,
90.8465

■ 69.2556, 83.2525,
95.3155

■ 54.5775, 75.8165,
88.7213

■ 76.1596, 86.7668,
97.6648

■ 51.5008, 74.2727,
86.6649

■ 84.1552, 90.8433,
100.0938

■ 49.2177, 73.1374,
84.6738

■ 91.4989, 94.5829,
102.5212

■ 47.6438, 72.3671,
82.7438

■ 91.9037, 94.7449,
104.6528

■ 46.6755, 71.9084,
80.8701

■ 92.3140, 94.9090,
106.8137

■ 46.3330, 71.7526,
79.9175

■ 92.5521, 95.0042,
108.0674

Harmonies

Analogous

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



64.1656, 80.2716, 73.3787



63.3913, 80.2716, 93.0418



65.8990, 80.2716, 114.1595

Triad

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



63.3913, 80.2716, 93.0418



85.1417, 80.2716, 122.5128



81.5987, 80.2716, 55.5525

Complementary

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



63.3913, 80.2716, 93.0418



58.3611, 48.1684, 44.2547

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.



87.7322, 80.2716, 65.1910



63.3913, 80.2716, 93.0418



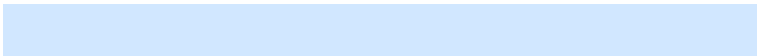
89.8658, 80.2716, 103.1072

Square

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



63.3913, 80.2716, 93.0418



78.2404, 80.2716, 132.8366



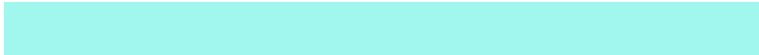
90.8424, 80.2716, 81.9951



74.3836, 80.2716, 53.7257

Rectangle

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



63.3913, 80.2716, 93.0418



69.1934, 80.2716, 125.5251



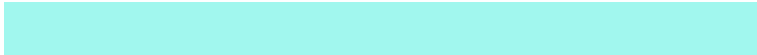
90.8424, 80.2716, 81.9951



83.8682, 80.2716, 57.9039

Sweetspot

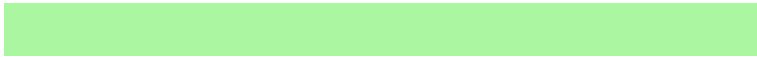
The Sweet Spot groups the original color and five complimentary colors.



63.3936, 80.2748, 93.0436



85.8560, 95.3096, 106.2419



56.4981, 77.7596, 45.7512



18.1210, 20.2698, 22.6617



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

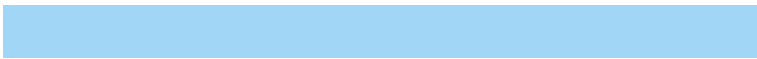
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.3936, 80.2748, 93.0436



64.2517, 84.3254, 98.3098



55.5439, 62.4052, 97.1172



16.9176, 18.7262, 20.8502



24.5345, 37.9586, 42.4300



2.1774, 3.3446, 3.8402

Inverse Universe

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



58.3611, 48.1684, 44.2547



58.0819, 44.9155, 38.4599



64.0779, 60.9187, 42.1010



16.5696, 16.5107, 17.4802



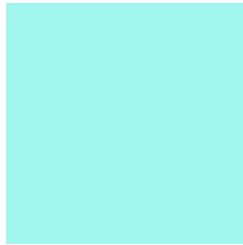
20.4079, 10.5066, 1.5905



1.8166, 0.9326, 0.2606

Previews

White Background



This preview shows how the XYZ color 63.3913, 80.2716, 93.0418 looks on a white background.

Color Contrast Check

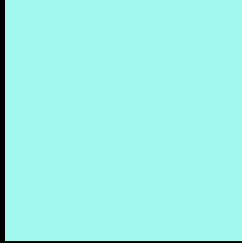
Large Text (above 18pt) WCAG AA × Fail

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 63.3913, 80.2716, 93.0418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

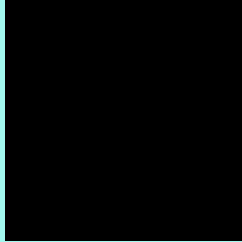
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.3913, 80.2716, 93.0418

Background



This preview shows how black text looks on a background with the XYZ color 63.3913, 80.2716, 93.0418.

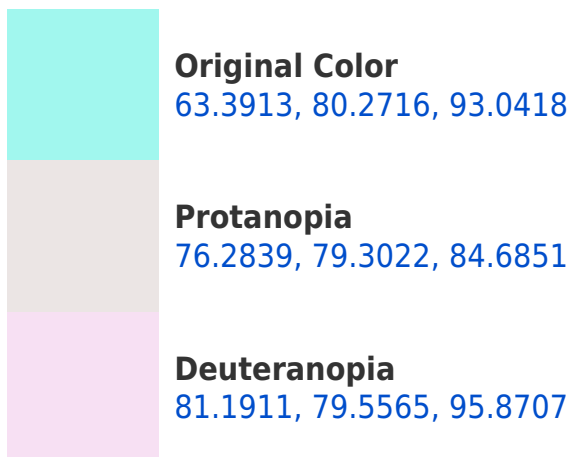


This preview shows how white text looks on a background with the XYZ color 63.3913, 80.2716,

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

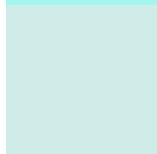
69.4598, 79.9793, 106.3844

Trichromacy



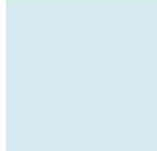
Original Color

63.3913, 80.2716, 93.0418



Protanomaly

70.5734, 79.2270, 87.9167



Deuteranomaly

73.0527, 78.6630, 94.5523



Tritanomaly

67.2809, 80.2878, 101.5736

Monochromacy



Original Color

63.3913, 80.2716, 93.0418



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.7151, 74.2818, 83.5473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3913, 80.2716, 93.0418 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, 247, 238)` looks like.

```
.text, #text, p{  
    color:rgb(161, 247, 238)  
}
```

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, 247, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 247, 238) }
```

Border

The CSS property to change the border of an element to XYZ 63.3913, 80.2716, 93.0418 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, 247, 238) }
```


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

```
.border{ border-color:rgb(161, 247, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 247, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 247, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 247, 238);  
box-shadow:4px 4px 4px 4px rgb(161, 247,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3913, 80.2716, 93.0418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 247, 238) }
```

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

```
.background{ background-color: rgb(161,  
247, 238) }
```

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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