

Converting Colors

XYZ(58.1610, 81.8366, 68.6109)

Have a look what the booklet for
XYZ(58.1610, 81.8366, 68.6109)
contains.

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Color

**XYZ(58.0977, 81.8040,
68.6048)**

Conversions

Conversions Part 1

Format	Color
Hex	91FFCA
RGB	145, 255, 202
RGB Percent	57%, 100%, 79%
CMY	0.4314, 0.0000, 0.2078
CMYK	0.43, 0.00, 0.21, 0.00
HSL	151°, 100%, 78%
HSV	151°, 43%, 100%
XYZ	58.0977, 81.8040, 68.6048
YIQ	216.0680, -48.5470, -39.8030

Conversions

Conversions Part 2

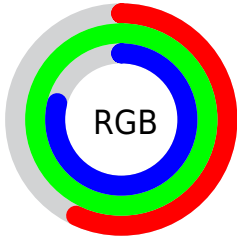
Format	Color
RYB	145, 217, 255
Decimal	9568202
CIELab	92.49, -43.29, 15.59
CIElCh	92, 46.007, 160.194
Yxy	81.8040, 0.2786, 0.3923
Android (android.graphics.Color)	4287758282 (0xFF91FFCA)
YUV	216.0680, -6.9355, -62.3266
Hunter-Lab	90.4456, -43.6203, 18.3392

Details

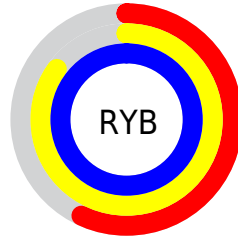
The XYZ color **58.0977, 81.8040, 68.6048** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.5589, 45.5888, 58.9813**, and the grayscale version is **65.3859, 68.7911, 74.9135**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **29.4699, 44.5525, 35.0632** is the 20% darker color. If you saturate the color by 10%, you get **52.7001, 79.1829, 61.0589**, and if you desaturate by 10%, it is **64.6209, 84.9919, 76.8108**.

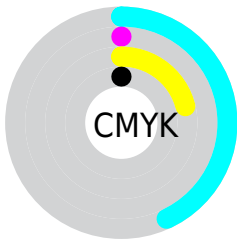
Distribution



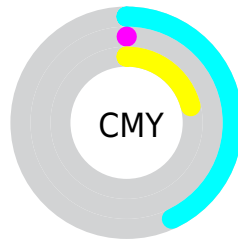
- Red (57%)
- Green (100%)
- Blue (79%)



- Red (57%)
- Yellow (85%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0977, 81.8040, 68.6048 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 58.0977, 81.8040, 68.6048 by changing the saturation by 10% instead.


 58.0977, 81.8040,
68.6048


 58.0977, 81.8040,
68.6048


407.4979,
500.9918, 474.2920

 42.1308, 61.2040,
49.9202


 101.1873,
135.8991, 118.8793

 29.3953, 44.3898,
34.9792


 129.0406,
170.1630, 151.3063

 19.5258, 30.9771,
23.3635


161.5868,
209.7503, 189.1511

 12.1571, 20.5814,
14.6543

199.1912,
255.0454, 232.8323

 6.9237, 12.8184,
8.4332

242.2191,
306.4327, 282.7685

 3.4603, 7.3036,
4.2817

291.0360,

 1.4016, 3.6527,

364.2966, 339.3781

1.7811

346.0071,
429.0215, 403.0798

■ 0.2574, 1.4812,
0.4154

■ 0.0000, 0.2755,
0.0000

■ 58.0977, 81.8040,
68.6048

■ 58.0977, 81.8040,
68.6048

■ 52.7001, 79.1829,
61.0589

■ 64.6209, 84.9919,
76.8108

■ 48.3551, 77.0913,
54.1515

■ 72.3320, 88.7787,
85.6892

■ 44.9837, 75.4889,
47.8659

■ 81.2914, 93.1949,
95.2573

■ 42.4944, 74.3288,
42.1826

■ 91.5544, 98.2689,
105.5305

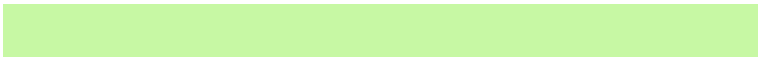
■ 40.7761, 73.5542, 95.0500, 100.0000,
37.0807 108.9000

■ 39.9343, 73.1897,
33.9018

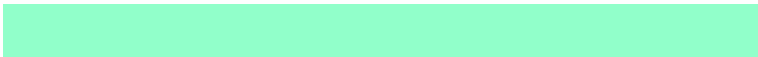
Harmonies

Analogous

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



63.8620, 81.8040, 47.7077



58.0977, 81.8040, 68.6048



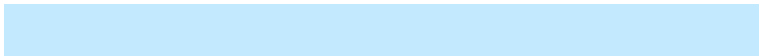
57.2819, 81.8040, 101.2158

Triad

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



58.0977, 81.8040, 68.6048



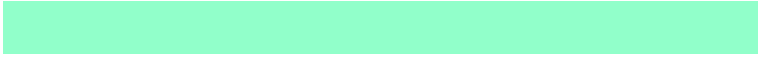
81.8848, 81.8040, 170.6810



96.6328, 81.8040, 53.0308

Complementary

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



58.0977, 81.8040, 68.6048



61.5589, 45.5888, 58.9813

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.



102.5969, 81.8040, 77.9381



58.0977, 81.8040, 68.6048



93.5233, 81.8040, 149.2991

Square

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



58.0977, 81.8040, 68.6048



70.2324, 81.8040, 166.3207



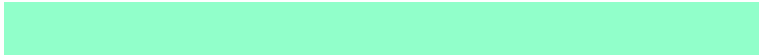
101.4040, 81.8040, 113.2487



85.7905, 81.8040, 40.4402

Rectangle

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



58.0977, 81.8040, 68.6048



59.5556, 81.8040, 126.3825



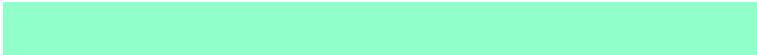
101.4040, 81.8040, 113.2487



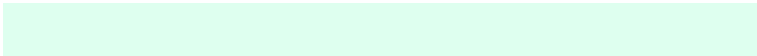
99.3225, 81.8040, 59.9365

Sweetspot

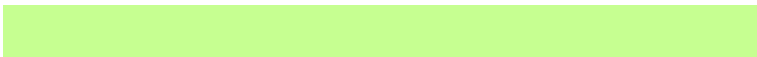
The Sweet Spot groups the original color and five complimentary colors.



58.0984, 81.8043, 68.6062



81.4224, 93.2596, 95.3925



64.2040, 85.5930, 39.9263



16.9800, 19.7404, 19.9526



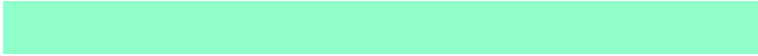
0.0000, 0.0000, 0.0000



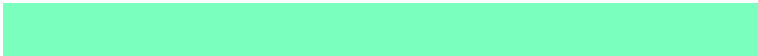
20.3446, 21.4041, 23.3091

Same Dimension

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



58.0984, 81.8043, 68.6062



53.2591, 79.4534, 61.8839



64.9054, 83.5958, 107.3225



18.1646, 20.3254, 21.1699



20.9425, 38.2736, 18.1142



2.0943, 3.7487, 2.0546

Inverse Universe

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



61.5589, 45.5888, 58.9813



57.1423, 38.8349, 51.0992



56.7592, 44.1208, 32.3137



18.3740, 18.1329, 20.5864



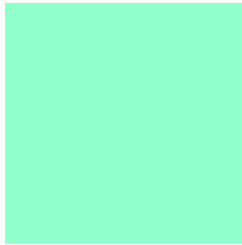
23.4869, 11.8841, 11.2147



2.3417, 1.1791, 1.3809

Previews

White Background



This preview shows how the XYZ color 58.0977, 81.8040, 68.6048 looks on a white background.

Color Contrast Check

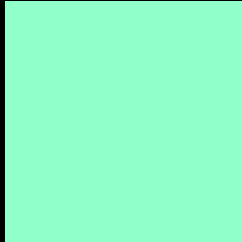
Large Text (above 18pt) WCAG AA × Fail

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 58.0977, 81.8040, 68.6048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

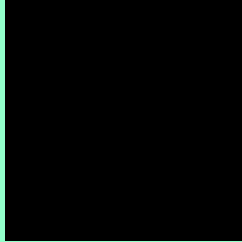
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0977, 81.8040, 68.6048

Background



This preview shows how black text looks on a background with the XYZ color 58.0977, 81.8040, 68.6048.

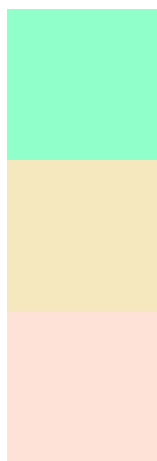


This preview shows how white text looks on a background with the XYZ color 58.0977, 81.8040,

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

58.0977, 81.8040, 68.6048

Protanopia

76.1569, 81.0238, 60.3404

Deuteranopia

80.7021, 80.5590, 75.5860



Tritanopia

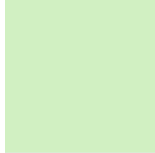
70.7884, 81.5431, 106.6162

Trichromacy



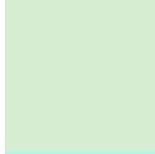
Original Color

58.0977, 81.8040, 68.6048



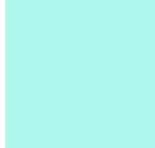
Protanomaly

67.1922, 79.7705, 62.8948



Deuteranomaly

69.9414, 79.6686, 72.6640



Tritanomaly

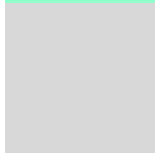
65.6347, 81.4619, 91.6213

Monochromacy



Original Color

58.0977, 81.8040, 68.6048



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.2899, 72.2439, 72.3422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0977, 81.8040, 68.6048 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 58.0977, 81.8040, 68.6048 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, 202) }
```


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

```
.border{ border-color:rgb(145, 255, 202) }
```

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, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0977, 81.8040, 68.6048 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, 202) }
```

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

```
.background{ background-color: rgb(145,  
255, 202) }
```

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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