

Converting Colors

XYZ(65.0745, 92.8515, 72.1313)

Have a look what the booklet for
XYZ(65.0745, 92.8515, 72.1313)
contains.

| | |
|--|----|
| XYZ(60.1059, 82.7978, 70.5713) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(60.1059, 82.7978,
70.5713)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9AFFCD |
| RGB | 154, 255, 205 |
| RGB Percent | 60%, 100%, 80% |
| CMY | 0.3961, 0.0000, 0.1961 |
| CMYK | 0.40, 0.00, 0.20, 0.00 |
| HSL | 150°, 100%, 80% |
| HSV | 150°, 40%, 100% |
| XYZ | 60.1059, 82.7978, 70.5713 |
| YIQ | 219.1010, -44.1460, -36.9620 |

Conversions

Conversions Part 2

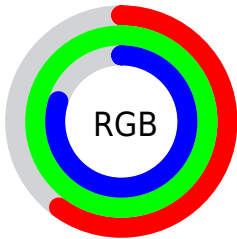
| Format | Color |
|-------------------------------------|---|
| RYB | 154, 221, 255 |
| Decimal | 10158029 |
| CIELab | 92.93, -40.34, 14.72 |
| CIELCh | 93, 42.940, 159.951 |
| Yxy | 82.7978, 0.2816, 0.3879 |
| Android (android.graphics.Color) | 4288348109 (0xFF9AFFCD) |
| YUV | 219.1010, -6.9518, -57.0936 |
| Hunter-Lab | 90.9933, -41.3295, 17.7120 |

Details

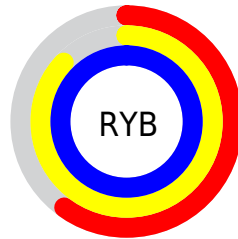
The XYZ color **60.1059, 82.7978, 70.5713** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.6952, 48.7317, 63.1761**, and the grayscale version is **67.4706, 70.9843, 77.3019**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **30.7098, 45.1639, 36.3771** is the 20% darker color. If you saturate the color by 10%, you get **54.2943, 79.9709, 62.6637**, and if you desaturate by 10%, it is **67.0728, 86.2061, 79.1775**.

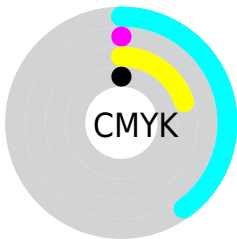
Distribution



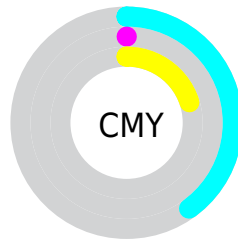
- Red (60%)
- Green (100%)
- Blue (80%)



- Red (60%)
- Yellow (87%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.1059, 82.7978, 70.5713 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 60.1059, 82.7978, 70.5713 by changing the saturation by 10% instead.


 60.1059, 82.7978,
70.5713


 60.1059, 82.7978,
70.5713


414.8165,
504.3124, 481.3966

 43.7538, 62.0234,
51.5127


 104.0887,
137.2922, 121.7119

 30.6741, 45.0516,
36.2373


 132.4502,
171.7810, 154.6309

 20.5014, 31.4981,
24.3264


165.5454,
211.6100, 193.0073

 12.8704, 20.9784,
15.3615

203.7399,
257.1637, 237.2594

 7.4158, 13.1082,
8.9240

247.3988,
308.8263, 287.8058

 3.7721, 7.5031,
4.5955

296.8877,

 1.5740, 3.7787,

366.9824, 345.0652

1.9574

352.5718,
432.0163, 409.4559

■ 0.3754, 1.5505,
0.5289

■ 0.0000, 0.3239,
0.0000

■ 60.1059, 82.7978,
70.5713

■ 60.1059, 82.7978,
70.5713

■ 54.2943, 79.9709,
62.6637

■ 67.0728, 86.2061,
79.1775

■ 49.5671, 77.6890,
55.4323

■ 75.2555, 90.2267,
88.4957

■ 45.8485, 75.9137,
48.8593

■ 84.7131, 94.8897,
98.5440

■ 43.0515, 74.6002,
42.9244

95.0500, 100.0000,
108.9000

■ 41.0728, 73.6958,
37.6057

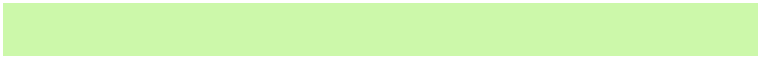
■ 39.7524, 73.1184,
32.8780

■ 39.7068, 73.0987,
32.7036

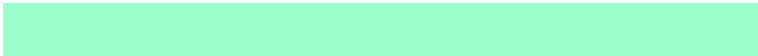
Harmonies

Analogous

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



65.6301, 82.7978, 50.5713



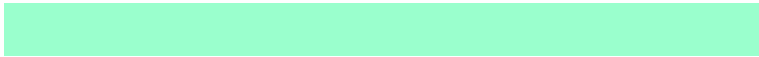
60.1059, 82.7978, 70.5713



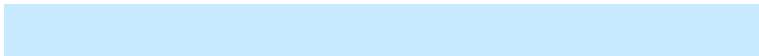
59.2877, 82.7978, 101.2665

Triad

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



60.1059, 82.7978, 70.5713



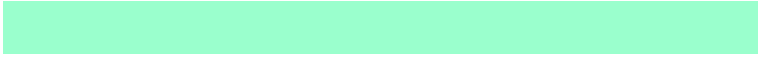
82.4873, 82.7978, 165.8073



96.4369, 82.7978, 55.9890

Complementary

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



60.1059, 82.7978, 70.5713



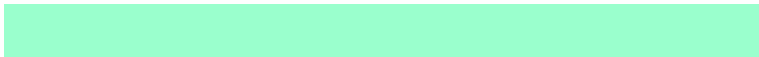
63.6952, 48.7317, 63.1761

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.



101.9375, 82.7978, 79.8834



60.1059, 82.7978, 70.5713



93.3920, 82.7978, 146.3522

Square

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



60.1059, 82.7978, 70.5713



71.5242, 82.7978, 161.6142



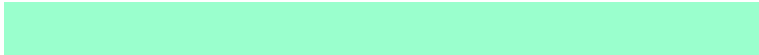
100.7731, 82.7978, 113.0576



86.3337, 82.7978, 43.6456

Rectangle

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



60.1059, 82.7978, 70.5713



61.4316, 82.7978, 124.6844



100.7731, 82.7978, 113.0576



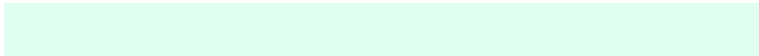
98.9271, 82.7978, 62.6695

Sweetspot

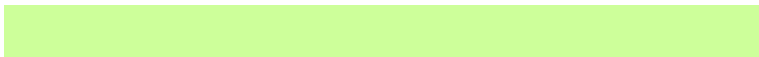
The Sweet Spot groups the original color and five complimentary colors.



60.1066, 82.7982, 70.5727



82.3308, 93.7137, 96.0719



66.6324, 86.7615, 43.8078



17.3506, 19.9246, 20.2784



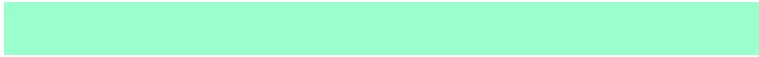
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



60.1066, 82.7982, 70.5727



55.1532, 80.3874, 63.8884



67.1369, 85.6103, 107.5937



18.1543, 20.3212, 21.1153



20.8232, 38.2259, 17.4861



2.0826, 3.7440, 1.9931

Inverse Universe

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



63.6952, 48.7317, 63.1761



59.2201, 41.7846, 55.5090



58.6290, 46.7053, 36.4979



18.3843, 18.1370, 20.6409



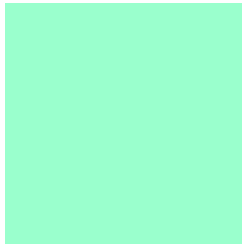
23.5997, 11.9292, 11.8083



2.3529, 1.1835, 1.4397

Previews

White Background



This preview shows how the XYZ color 60.1059, 82.7978, 70.5713 looks on a white background.

Color Contrast Check

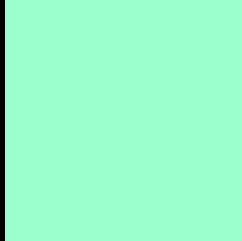
Large Text (above 18pt) WCAG AA × Fail

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 60.1059, 82.7978, 70.5713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

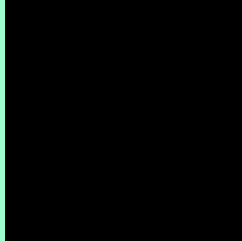
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.1059, 82.7978, 70.5713

Background



This preview shows how black text looks on a background with the XYZ color 60.1059, 82.7978, 70.5713.

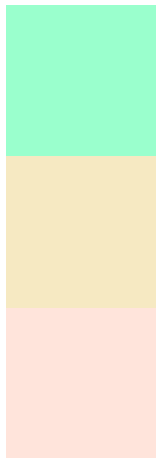


This preview shows how white text looks on a background with the XYZ color 60.1059, 82.7978,

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

60.1059, 82.7978, 70.5713

Protanopia

76.8826, 81.7657, 62.7691

Deuteranopia

81.7696, 81.8613, 78.5089



Tritanopia

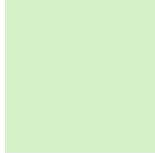
72.3078, 82.3264, 106.6873

Trichromacy



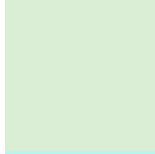
Original Color

60.1059, 82.7978, 70.5713



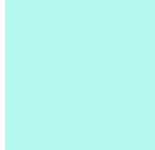
Protanomaly

69.0889, 81.1339, 65.4451



Deuteranomaly

71.6256, 80.9095, 75.4604



Tritanomaly

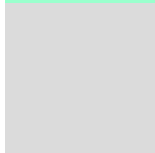
67.3692, 82.3393, 92.4631

Monochromacy



Original Color

60.1059, 82.7978, 70.5713



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.4999, 74.1704, 74.5878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1059, 82.7978, 70.5713 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 60.1059, 82.7978, 70.5713 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, 205) }
```


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

```
.border{ border-color:rgb(154, 255, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1059, 82.7978, 70.5713 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, 205) }
```

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

```
.background{ background-color: rgb(154,  
255, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor