

Converting Colors

XYZ(59.8059, 82.1583, 92.4625)

Have a look what the booklet for
XYZ(59.8059, 82.1583, 92.4625)
contains.

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Color

**XYZ(59.9481, 82.2236,
92.8319)**

Conversions

Conversions Part 1

Format	Color
Hex	80FFED
RGB	128, 255, 237
RGB Percent	50%, 100%, 93%
CMY	0.4980, 0.0000, 0.0706
CMYK	0.50, 0.00, 0.07, 0.00
HSL	171°, 100%, 75%
HSV	171°, 50%, 100%
XYZ	59.9481, 82.2236, 92.8319
YIQ	214.9750, -69.9140, -32.5220

Conversions

Conversions Part 2

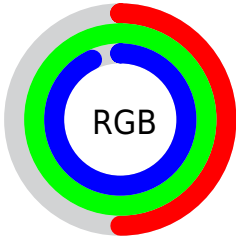
Format	Color
RYB	128, 196, 255
Decimal	8454125
CIELab	92.67, -39.63, -2.28
CIElCh	93, 39.691, 183.289
Yxy	82.2236, 0.2551, 0.3499
Android (android.graphics.Color)	4286644205 (0xFF80FFED)
YUV	214.9750, 10.8583, -76.2771
Hunter-Lab	90.6772, -40.6761, 2.7752

Details

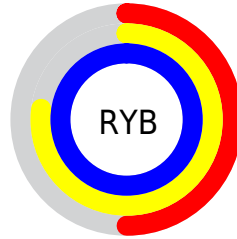
The XYZ color **59.9481, 82.2236, 92.8319** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **54.1483, 38.7749, 31.8256**, and the grayscale version is **64.5374, 67.8984, 73.9414**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **30.6489, 44.8144, 50.7507** is the 20% darker color. If you saturate the color by 10%, you get **56.0603, 80.2797, 89.9225**, and if you desaturate by 10%, it is **64.8121, 84.6694, 95.8454**.

Distribution



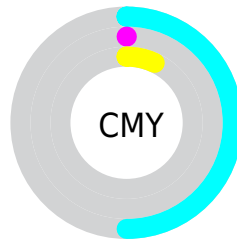
- Red (50%)
- Green (100%)
- Blue (93%)



- Red (50%)
- Yellow (77%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (50%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9481, 82.2236, 92.8319 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 59.9481, 82.2236, 92.8319 by changing the saturation by 10% instead.


 59.9481, 82.2236,
92.8319


 59.9481, 82.2236,
92.8319


414.2443,
502.3953, 558.0065


 43.6261, 61.5499,
69.7449


 103.8611,
136.4875, 153.2356

 30.5733, 44.6691,
50.8431


 132.1829,
170.8465, 191.3893

 20.4244, 31.1968,
35.7079

 165.2353,
210.5360, 235.4024

 12.8140, 20.7488,
23.9208

203.3837,
255.9404, 285.6933

 7.3767, 12.9405,
15.0632

246.9934,
307.4442, 342.6806

 3.7472, 7.3876,
8.7166

296.4299,

 1.5601, 3.7057,

365.4316, 406.7829

4.4625

352.0584,
430.2872, 478.4187

■ 0.3662, 1.5103,
1.8824

■ 0.0000, 0.2960,
0.4815

■ 59.9481, 82.2236,
92.8319

■ 59.9481, 82.2236,
92.8319

■ 56.0603, 80.2797,
89.9225

■ 64.8121, 84.6694,
95.8454

■ 53.0721, 78.7984,
87.1090

■ 70.7155, 87.6499,
98.9619

■ 50.9002, 77.7368,
84.3887

■ 77.7194, 91.1964,
102.1862

■ 49.4443, 77.0429,
81.7564

■ 85.8794, 95.3377,
105.5211

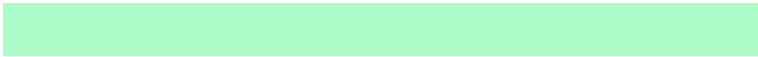
■ 48.5436, 76.6342, 95.0500, 100.0000,
79.2044 108.9000

■ 48.5278, 76.6271,
79.1545

Harmonies

Analogous

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



61.7142, 82.2236, 66.3117



59.9481, 82.2236, 92.8319



62.6932, 82.2236, 124.5270

Triad

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



59.9481, 82.2236, 92.8319



89.5699, 82.2236, 146.0055



87.4250, 82.2236, 47.7144

Complementary

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



59.9481, 82.2236, 92.8319



54.1483, 38.7749, 31.8256

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.



95.9614, 82.2236, 61.7897



59.9481, 82.2236, 92.8319



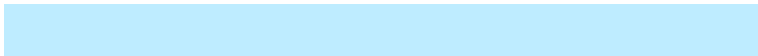
97.2744, 82.2236, 117.6134

Square

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



59.9481, 82.2236, 92.8319



79.2965, 82.2236, 159.1886



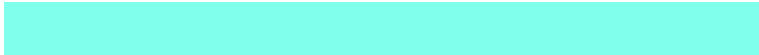
99.7096, 82.2236, 86.3025



77.0167, 82.2236, 43.8919

Rectangle

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



59.9481, 82.2236, 92.8319



66.8669, 82.2236, 143.3226



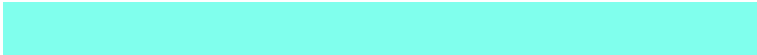
99.7096, 82.2236, 86.3025



90.6382, 82.2236, 51.2238

Sweetspot

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



59.9491, 82.2241, 92.8334



81.4904, 93.1092, 103.7737



51.6989, 79.2867, 33.0027



17.0809, 19.7458, 22.0620



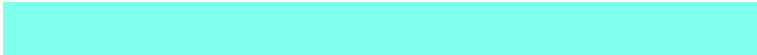
0.0000, 0.0000, 0.0000



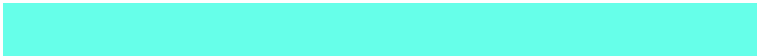
20.3446, 21.4041, 23.3091

Same Dimension

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



59.9491, 82.2241, 92.8334



55.9927, 80.2461, 89.8659



50.1358, 58.1756, 103.1943



18.4376, 20.4346, 22.6075



25.3994, 40.0563, 41.5839



2.5021, 3.9118, 4.2019

Inverse Universe

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



54.1483, 38.7749, 31.8256



49.6095, 32.2100, 22.5665



59.9755, 52.4964, 27.3954



18.1142, 18.0290, 19.2186



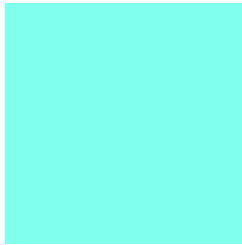
21.7478, 11.1884, 2.0566



2.1476, 1.1014, 0.3588

Previews

White Background



This preview shows how the XYZ color 59.9481, 82.2236, 92.8319 looks on a white background.

Color Contrast Check

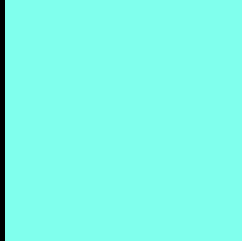
Large Text (above 18pt) WCAG AA × Fail

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 59.9481, 82.2236, 92.8319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

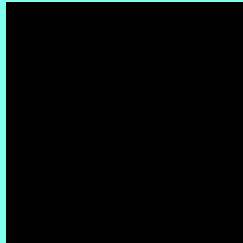
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

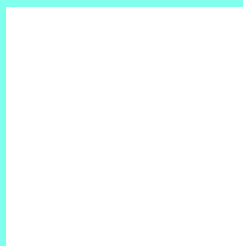
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.9481, 82.2236, 92.8319

Background



This preview shows how black text looks on a background with the XYZ color 59.9481, 82.2236, 92.8319.

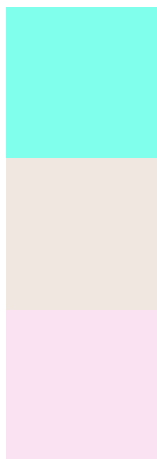


This preview shows how white text looks on a background with the XYZ color 59.9481, 82.2236,

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

59.9481, 82.2236, 92.8319

Protanopia

77.6271, 80.8844, 82.0419

Deuteranopia

82.7984, 81.1878, 96.1009



Tritanopia

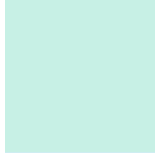
70.3503, 81.7603, 106.6812

Trichromacy



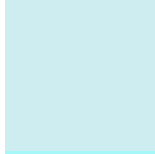
Original Color

59.9481, 82.2236, 92.8319



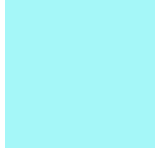
Protanomaly

68.8561, 80.1194, 85.9642



Deuteranomaly

71.6150, 80.0411, 94.8940



Tritanomaly

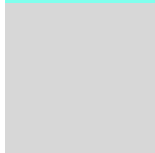
65.7211, 81.2982, 101.0352

Monochromacy



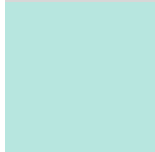
Original Color

59.9481, 82.2236, 92.8319



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.1445, 71.9886, 80.4846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9481, 82.2236, 92.8319 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(128, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 237)  
}
```

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(128, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 59.9481, 82.2236, 92.8319 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(128, 255, 237) }
```


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

```
.border{ border-color:rgb(128, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9481, 82.2236, 92.8319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 237) }
```

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

```
.background{ background-color: rgb(128,  
255, 237) }
```

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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