

Converting Colors

XYZ(58.1785, 78.4636, 91.9068)

Have a look what the booklet for
XYZ(58.1785, 78.4636, 91.9068)
contains.

XYZ(58.2150, 78.5329, 92.2109)	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(58.2150, 78.5329,
92.2109)**

Conversions

Conversions Part 1

Format	Color
Hex	81F9ED
RGB	129, 249, 237
RGB Percent	51%, 98%, 93%
CMY	0.4941, 0.0235, 0.0706
CMYK	0.48, 0.00, 0.05, 0.02
HSL	174°, 91%, 74%
HSV	174°, 48%, 98%
XYZ	58.2150, 78.5329, 92.2109
YIQ	211.7520, -67.6680, -29.1720

Conversions

Conversions Part 2

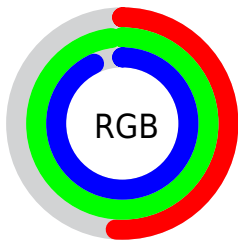
Format	Color
RYB	129, 192, 249
Decimal	8518125
CIELab	91.02, -36.68, -4.70
CIELCh	91, 36.982, 187.301
Yxy	78.5329, 0.2543, 0.3430
Android (android.graphics.Color)	4286708205 (0xFF81F9ED)
YUV	211.7520, 12.4473, -72.5735
Hunter-Lab	88.6188, -37.8236, 0.3399

Details

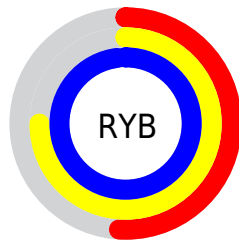
The XYZ color **58.2150, 78.5329, 92.2109** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.7276, 37.7656, 29.7653**, and the grayscale version is **62.3688, 65.6169, 71.4568**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **29.4369, 42.1937, 50.3088** is the 20% darker color. If you saturate the color by 10%, you get **54.5229, 76.6732, 90.1533**, and if you desaturate by 10%, it is **62.8382, 80.8758, 94.3419**.

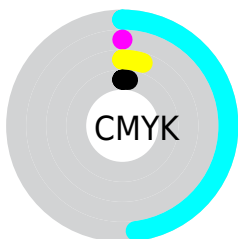
Distribution



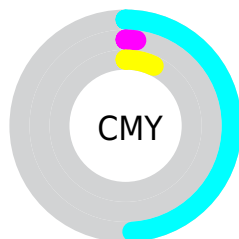
- Red (51%)
- Green (98%)
- Blue (93%)



- Red (51%)
- Yellow (75%)
- Blue (98%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)





- Cyan (49%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2150, 78.5329, 92.2109 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 58.2150, 78.5329, 92.2109 by changing the saturation by 10% instead.


 58.2150, 78.5329,
92.2109


 58.2150, 78.5329,
92.2109


407.9276,
489.9747, 555.9515


 42.2255, 58.5118,
69.2318


 101.3570,
131.3011, 152.3679

 29.4697, 42.2203,
50.4276


 129.2403,
164.8170, 190.3829

 19.5825, 29.2738,
35.3797


 161.8187,
203.6000, 234.2469

 12.1984, 19.2881,
23.6696

199.4578,
248.0344, 284.3785

 6.9521, 11.8786,
14.8788

242.5229,
298.5047, 341.1962

 3.4782, 6.6611,
8.5887

291.3793,

 1.4114, 3.2511,

355.3953, 405.1186

4.3808

346.3924,
419.0905, 476.5642

■ 0.2643, 1.2642,
1.8365

■ 0.0000, 0.1132,
0.4518

■ 58.2150, 78.5329,
92.2109

■ 58.2150, 78.5329,
92.2109

■ 54.5229, 76.6732,
90.1533

■ 62.8382, 80.8758,
94.3419

■ 51.6868, 75.2523,
88.1603


■ 68.4469, 83.7243,
96.5438


■ 49.6317, 74.2334,
86.2301


■ 75.0995, 87.1103,
98.8211


■ 48.2657, 73.5693,
84.3582


■ 82.8476, 91.0605,
101.1764


 47.4625, 73.1947,
82.5385

 91.7397, 95.5998,
103.6121

 47.3449, 73.1411,
82.2135

 92.6790, 96.0387,
105.7025

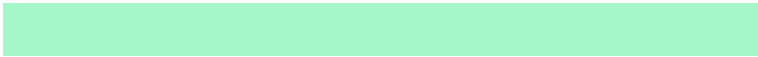
 93.0762, 96.1976,
107.7945

 93.1670, 96.2339,
108.2723

Harmonies

Analogous

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



59.2761, 78.5329, 67.1641



58.2150, 78.5329, 92.2109



61.2543, 78.5329, 120.6035

Triad

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



58.2150, 78.5329, 92.2109



86.0594, 78.5329, 133.2731



81.7871, 78.5329, 46.3070

Complementary

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



58.2150, 78.5329, 92.2109



51.7276, 37.7656, 29.7653

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.



89.8534, 78.5329, 57.9830



58.2150, 78.5329, 92.2109



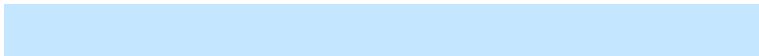
92.4600, 78.5329, 106.9226

Square

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



58.2150, 78.5329, 92.2109



76.9480, 78.5329, 147.3155



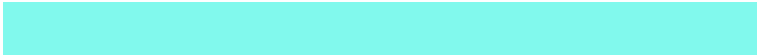
93.9032, 78.5329, 79.1399



72.3848, 78.5329, 43.9784

Rectangle

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



58.2150, 78.5329, 92.2109



65.3590, 78.5329, 136.4822



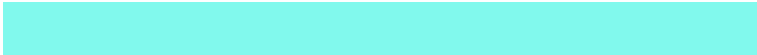
93.9032, 78.5329, 79.1399



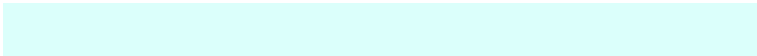
84.7674, 78.5329, 49.1301

Sweetspot

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



58.2173, 78.5360, 92.2127



82.5441, 93.6188, 105.3417



49.1683, 75.1791, 32.6901



17.3001, 19.8509, 22.4332



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.



58.2173, 78.5360, 92.2127



57.5944, 80.9556, 95.1899



47.5105, 54.2213, 97.5876



17.6866, 19.5769, 21.8161



25.3724, 39.1620, 44.1658



2.3709, 3.6355, 4.2011

Inverse Universe

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



51.7276, 37.7656, 29.7653



50.0144, 33.1987, 22.1496



58.3620, 52.3873, 27.8063



17.3151, 17.2534, 18.2493



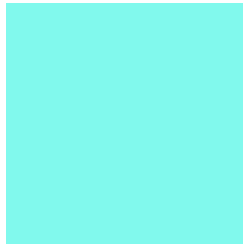
21.0284, 10.8271, 1.5920



1.9703, 1.0119, 0.2672

Previews

White Background



This preview shows how the XYZ color 58.2150, 78.5329, 92.2109 looks on a white background.

Color Contrast Check

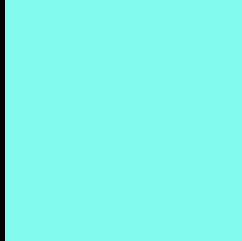
Large Text (above 18pt) WCAG AA × Fail

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 58.2150, 78.5329, 92.2109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

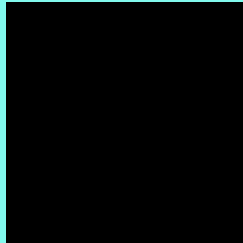
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

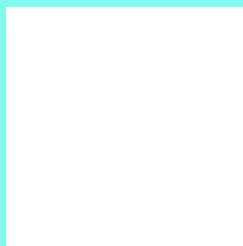
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.2150, 78.5329, 92.2109

Background



This preview shows how black text looks on a background with the XYZ color 58.2150, 78.5329, 92.2109.

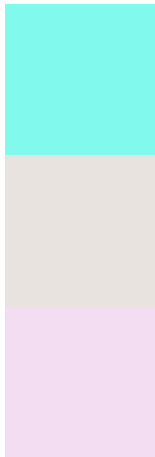


This preview shows how white text looks on a background with the XYZ color 58.2150, 78.5329,

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

58.2150, 78.5329, 92.2109

Protanopia

74.5279, 77.6436, 81.5797

Deuteranopia

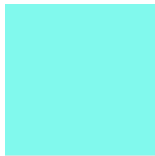
78.9963, 77.2387, 95.5390



Tritanopia

65.5723, 77.9752, 106.2024

Trichromacy



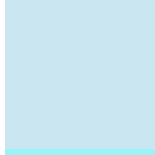
Original Color

58.2150, 78.5329, 92.2109



Protanomaly

66.3569, 76.6759, 85.4313



Deuteranomaly

68.8102, 76.0593, 94.2733



Tritanomaly

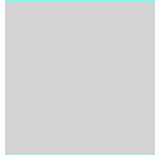
62.3203, 77.7485, 100.5293

Monochromacy



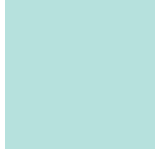
Original Color

58.2150, 78.5329, 92.2109



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.2678, 69.0160, 78.6043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2150, 78.5329, 92.2109 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(129, 249, 237)` looks like.

```
.text, #text, p{  
    color:rgb(129, 249, 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(129, 249, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 249, 237) }
```

Border

The CSS property to change the border of an element to XYZ 58.2150, 78.5329, 92.2109 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(129, 249, 237) }
```


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

```
.border{ border-color:rgb(129, 249, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 249, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 249, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 249, 237);  
box-shadow:4px 4px 4px 4px rgb(129, 249,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2150, 78.5329, 92.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 249, 237) }
```

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

```
.background{ background-color: rgb(129,  
249, 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](#).

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