

Converting Colors

XYZ(55.9600, 80.4924, 77.9742)

Have a look what the booklet for
XYZ(55.9600, 80.4924, 77.9742)
contains.

XYZ(56.0301, 80.5228, 78.2350)	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(56.0301, 80.5228,
78.2350)**

Conversions

Conversions Part 1

Format	Color
Hex	78FFD9
RGB	120, 255, 217
RGB Percent	47%, 100%, 85%
CMY	0.5294, 0.0000, 0.1490
CMYK	0.53, 0.00, 0.15, 0.00
HSL	163°, 100%, 74%
HSV	163°, 53%, 100%
XYZ	56.0301, 80.5228, 78.2350
YIQ	210.3030, -68.2620, -40.4380

Conversions

Conversions Part 2

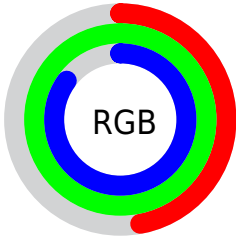
Format	Color
RYB	120, 199, 255
Decimal	7929817
CIELab	91.92, -45.93, 6.93
CIELCh	92, 46.447, 171.415
Yxy	80.5228, 0.2609, 0.3749
Android (android.graphics.Color)	4286119897 (0xFF78FFD9)
YUV	210.3030, 3.3016, -79.1957
Hunter-Lab	89.7345, -45.5802, 11.1222

Details

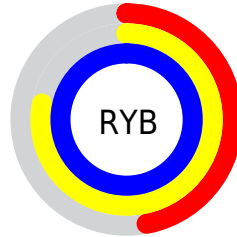
The XYZ color **56.0301, 80.5228, 78.2350** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.1287, 37.1627, 36.6690**, and the grayscale version is **61.4690, 64.6702, 70.4258**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **28.1839, 43.7537, 41.1423** is the 20% darker color. If you saturate the color by 10%, you get **52.0390, 78.5708, 73.2811**, and if you desaturate by 10%, it is **61.0051, 82.9772, 83.4497**.

Distribution



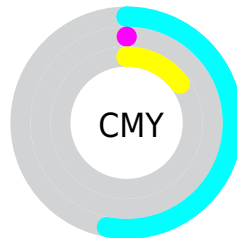
- Red (47%)
- Green (100%)
- Blue (85%)



- Red (47%)
- Yellow (78%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0301, 80.5228, 78.2350 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 56.0301, 80.5228, 78.2350 by changing the saturation by 10% instead.


 56.0301, 80.5228,
78.2350


 56.0301, 80.5228,
78.2350


399.8781,
496.6930, 508.5136

 40.4642, 60.1487,
57.7494


 98.1881, 134.1005,
132.6702

 28.0864, 43.5385,
41.1939


 125.5109,
168.0729, 167.4570

 18.5316, 30.3078,
28.1498


 157.4834,
207.3468, 207.8479

 11.4343, 20.0724,
18.1986

194.4709,
252.3066, 254.2615

 6.4292, 12.4477,
10.9217

236.8387,
303.3367, 307.1163

 3.1509, 7.0493,
5.9007

284.9523,

 1.2341, 3.4930,

360.8216, 366.8309

2.7170

339.1770,
425.1455, 433.8238

0.1330, 1.3942,
0.9520

0.0000, 0.2124,
0.0000

56.0301, 80.5228,
78.2350

56.0301, 80.5228,
78.2350

52.0390, 78.5708,
73.2811

61.0051, 82.9772,
83.4497

48.9520, 77.0803,
68.5774

67.0299, 85.9681,
88.9268

46.6810, 76.0059,
64.1186

74.1677, 89.5280,
94.6731

45.1181, 75.2921,
59.8967

82.4760, 93.6865,
100.6940

■ 44.3306, 74.9482,
57.0519

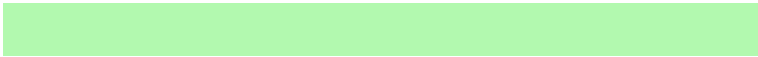
■ 92.0080, 98.4708,
106.9942

95.0500, 100.0000,
108.9000

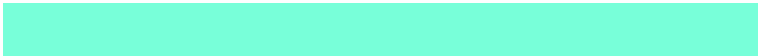
Harmonies

Analogous

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



59.9762, 80.5228, 52.7708



56.0301, 80.5228, 78.2350



57.1140, 80.5228, 113.8997

Triad

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



56.0301, 80.5228, 78.2350



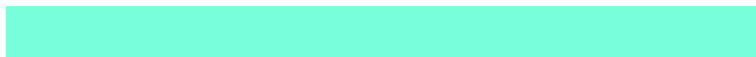
85.2140, 80.5228, 164.1054



91.7417, 80.5228, 45.7154

Complementary

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



56.0301, 80.5228, 78.2350



54.1287, 37.1627, 36.6690

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.



99.9229, 80.5228, 65.8214



56.0301, 80.5228, 78.2350



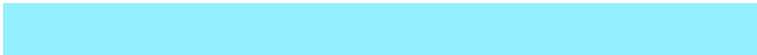
95.8902, 80.5228, 135.3308

Square

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



56.0301, 80.5228, 78.2350



73.1629, 80.5228, 169.9404



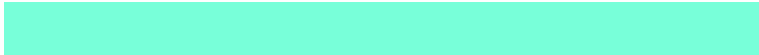
101.5151, 80.5228, 97.8467



80.0081, 80.5228, 37.4597

Rectangle

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



56.0301, 80.5228, 78.2350



60.5969, 80.5228, 138.6752



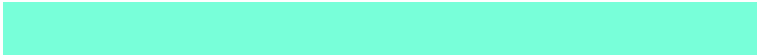
101.5151, 80.5228, 97.8467



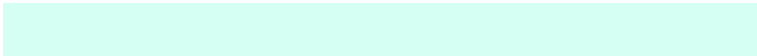
95.0470, 80.5228, 51.0199

Sweetspot

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



56.0310, 80.5232, 78.2364



79.8057, 92.3485, 98.8218



53.3008, 80.1710, 30.4360



16.7109, 19.5807, 20.8855



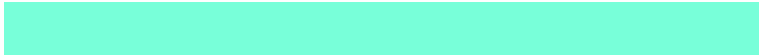
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.0310, 80.5232, 78.2364



51.6701, 78.3916, 72.7704



52.9250, 65.4707, 104.4554



18.3240, 20.3891, 22.0091



23.2308, 39.1889, 30.1642



2.3087, 3.8344, 3.1832

Inverse Universe

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



54.1287, 37.1627, 36.6690



49.6183, 30.7070, 27.2569



55.4180, 44.1913, 23.3796



18.2195, 18.0711, 19.7731



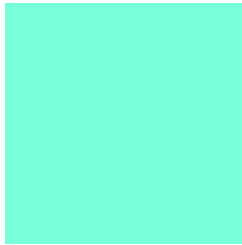
22.2107, 11.3736, 4.4941



2.2069, 1.1251, 0.6707

Previews

White Background



This preview shows how the XYZ color 56.0301, 80.5228, 78.2350 looks on a white background.

Color Contrast Check

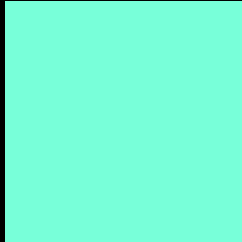
Large Text (above 18pt) WCAG AA × Fail

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 56.0301, 80.5228, 78.2350 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

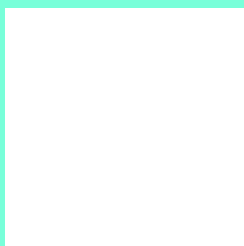
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.0301, 80.5228, 78.2350

Background



This preview shows how black text looks on a background with the XYZ color 56.0301, 80.5228, 78.2350.

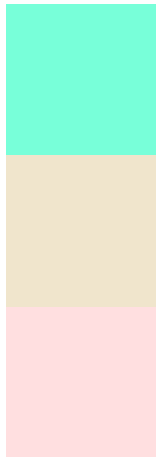


This preview shows how white text looks on a background with the XYZ color 56.0301, 80.5228,

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

56.0301, 80.5228, 78.2350

Protanopia

74.8536, 78.9235, 68.4153

Deuteranopia

81.0822, 79.4172, 81.5766



Tritanopia

67.9336, 80.0714, 106.4826

Trichromacy



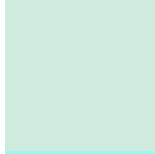
Original Color

56.0301, 80.5228, 78.2350



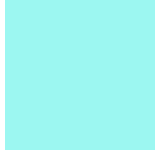
Protanomaly

64.8481, 77.4883, 71.8605



Deuteranomaly

68.2131, 77.7589, 79.8204



Tritanomaly

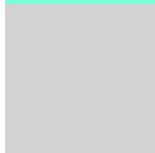
62.8482, 79.9403, 95.3367

Monochromacy



Original Color

56.0301, 80.5228, 78.2350



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.3381, 68.5439, 73.1591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0301, 80.5228, 78.2350 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(120, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 217)  
}
```

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(120, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 56.0301, 80.5228, 78.2350 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(120, 255, 217) }
```


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

```
.border{ border-color:rgb(120, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0301, 80.5228, 78.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 217) }
```

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

```
.background{ background-color: rgb(120,  
255, 217) }
```

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