

Converting Colors

XYZ(45.3580, 65.9767, 78.7508)

Have a look what the booklet for
XYZ(45.3580, 65.9767, 78.7508)
contains.

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Color

**XYZ(45.3580, 65.9767,
78.7508)**

Conversions

Conversions Part 1

Format	Color
Hex	47EBDD
RGB	71, 235, 221
RGB Percent	28%, 92%, 87%
CMY	0.7215, 0.0784, 0.1333
CMYK	0.70, 0.00, 0.06, 0.08
HSL	175°, 80%, 60%
HSV	175°, 70%, 92%
XYZ	45.3580, 65.9767, 78.7508
YIQ	184.3680, -93.2500, -39.1220

Conversions

Conversions Part 2

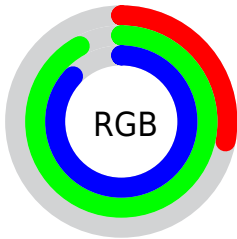
Format	Color
RYB	71, 157, 235
Decimal	4713437
CIELab	84.98, -44.55, -5.42
CIElCh	85, 44.877, 186.930
Yxy	65.9767, 0.2386, 0.3471
Android (android.graphics.Color)	4282903517 (0xFF47EBDD)
YUV	184.3680, 18.0596, -99.4237
Hunter-Lab	81.2260, -42.4681, -0.6250

Details

The XYZ color **45.3580, 65.9767, 78.7508** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **38.1561, 22.8265, 10.9915**, and the grayscale version is **45.7059, 48.0861, 52.3658**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **22.8033, 34.5940, 41.5518** is the 20% darker color. If you saturate the color by 10%, you get **43.6908, 65.1495, 77.2869**, and if you desaturate by 10%, it is **47.6983, 67.1536, 80.2658**.

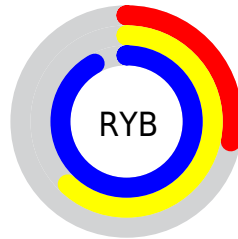
Distribution



Red (28%)

Green (92%)

Blue (87%)



Red (28%)

Yellow (62%)

Blue (92%)

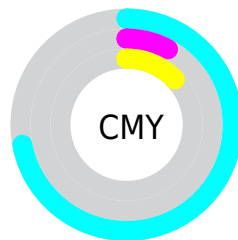


Cyan (70%)

Magenta (0%)

Yellow (6%)

Black (8%)



Cyan (72%)


Magenta (8%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3580, 65.9767, 78.7508 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 45.3580, 65.9767, 78.7508 by changing the saturation by 10% instead.


 45.3580, 65.9767,
78.7508

 45.3580, 65.9767,
78.7508


358.9809,
446.2935, 510.3082


 31.9420, 48.2535,
58.1708


 82.4911, 113.4529,
133.4035


 21.4725, 34.0277,
41.5304


 106.9390,
143.9747, 168.3132

 13.5843, 22.9149,
28.4109


 135.7948,
179.5314, 208.8367

 7.9118, 14.5307,
18.3939

 169.4239,
220.5075, 255.3924

 4.0899, 8.4907,
11.0608

208.1917,
267.2874, 308.3989

 1.7531, 4.4105,
5.9931

252.4636,

 0.4892, 1.9057,

320.2554, 368.2746

2.7721

302.6049,
379.7960, 435.4382

■ 0.0000, 0.5518,
0.9795

■ 0.0000, 0.0000,
0.0000

■ 45.3580, 65.9767,
78.7508

■ 45.3580, 65.9767,
78.7508

■ 43.6908, 65.1495,
77.2869

■ 47.6983, 67.1536,
80.2658

■ 42.6092, 64.6222,
75.8656


■ 50.7745, 68.7080,
81.8305

■ 41.9792, 64.3274,
74.4820


■ 54.6489, 70.6735,
83.4494


■ 41.9673, 64.3219,
74.4523


■ 59.3753, 73.0779,
85.1250

 65.0031, 75.9465,
86.8596

 71.5777, 79.3030,
88.6556

 79.1417, 83.1690,
90.5149

 86.2432, 86.7963,
92.3696

 86.5382, 86.9143,
93.9228

Harmonies

Analogous

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



46.5032, 65.9767, 52.1952



45.3580, 65.9767, 78.7508



48.4471, 65.9767, 110.6493

Triad

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



45.3580, 65.9767, 78.7508



75.0997, 65.9767, 126.0183



70.6203, 65.9767, 31.8923

Complementary

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



45.3580, 65.9767, 78.7508



38.1561, 22.8265, 10.9915

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.



79.5263, 65.9767, 43.3633



45.3580, 65.9767, 78.7508



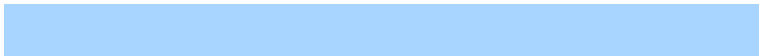
82.3000, 65.9767, 95.8765

Square

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



45.3580, 65.9767, 78.7508



65.0785, 65.9767, 142.2929



84.0010, 65.9767, 65.3410



60.3975, 65.9767, 29.6005

Rectangle

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



45.3580, 65.9767, 78.7508



52.7096, 65.9767, 129.1664



84.0010, 65.9767, 65.3410



73.8990, 65.9767, 34.6180

Sweetspot

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



45.3599, 65.9792, 78.7524



77.2911, 90.9290, 104.2720



34.8157, 61.9197, 16.0795



16.1261, 19.2497, 22.1936



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.



45.3599, 65.9792, 78.7524



51.9104, 78.0849, 92.2359



31.8587, 35.8655, 83.8436



15.4590, 17.0984, 19.0997



23.3796, 35.8063, 41.5595



1.8522, 2.8182, 3.3496

Inverse Universe

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



38.1561, 22.8265, 10.9915



42.8178, 23.1488, 6.3611



44.2896, 35.8976, 10.5574



15.1177, 15.0749, 15.9050



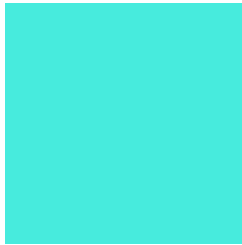
19.1573, 9.8656, 1.3638



1.5223, 0.7819, 0.2020

Previews

White Background



This preview shows how the XYZ color 45.3580, 65.9767, 78.7508 looks on a white background.

Color Contrast Check

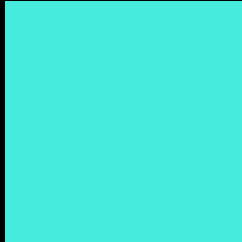
Large Text (above 18pt) WCAG AA × Fail

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 45.3580, 65.9767, 78.7508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

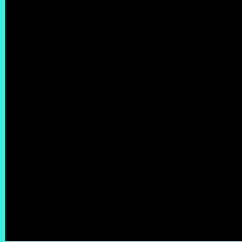
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

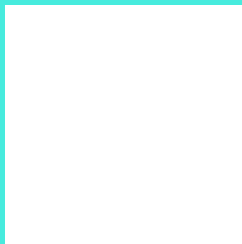
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3580, 65.9767, 78.7508

Background



This preview shows how black text looks on a background with the XYZ color 45.3580, 65.9767, 78.7508.

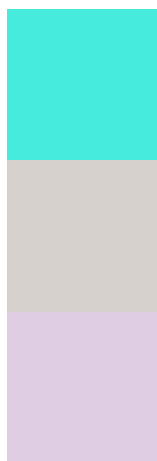


This preview shows how white text looks on a background with the XYZ color 45.3580, 65.9767,

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

45.3580, 65.9767, 78.7508

Protanopia

61.9654, 64.5042, 67.5772

Deuteranopia

66.2663, 64.9521, 82.4432



Tritanopia

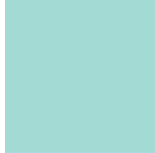
49.5125, 65.9698, 99.7464

Trichromacy



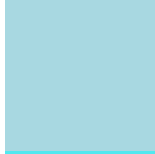
Original Color

45.3580, 65.9767, 78.7508



Protanomaly

51.9335, 62.6325, 70.9801



Deuteranomaly

54.2949, 62.8728, 80.5082



Tritanomaly

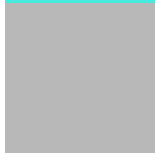
47.8299, 65.6946, 91.8208

Monochromacy



Original Color

45.3580, 65.9767, 78.7508



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.7617, 52.5827, 60.7190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3580, 65.9767, 78.7508 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(71, 235, 221)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 221)  
}
```

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(71, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 221) }
```

Border

The CSS property to change the border of an element to XYZ 45.3580, 65.9767, 78.7508 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(71, 235, 221) }
```


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

```
.border{ border-color:rgb(71, 235, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 235, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 221);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3580, 65.9767, 78.7508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 221) }
```

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

```
.background{ background-color: rgb(71, 235,  
221) }
```

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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