

Converting Colors

XYZ(45.2180, 75.3999, 57.5381)

Have a look what the booklet for
XYZ(45.2180, 75.3999, 57.5381)
contains.

XYZ(45.2111, 75.3928, 57.5168)	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(45.2111, 75.3928,
57.5168)**

Conversions

Conversions Part 1

Format	Color
Hex	26FFB8
RGB	38, 255, 184
RGB Percent	15%, 100%, 72%
CMY	0.8509, 0.0000, 0.2784
CMYK	0.85, 0.00, 0.28, 0.00
HSL	160°, 100%, 57%
HSV	160°, 85%, 100%
XYZ	45.2111, 75.3928, 57.5168
YIQ	182.0230, -106.5410, -68.0850

Conversions

Conversions Part 2

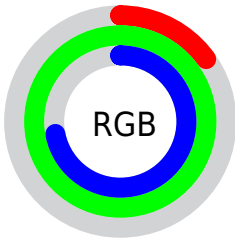
Format	Color
RYB	38, 168, 255
Decimal	2555832
CIELab	89.58, -64.77, 20.35
CIELCh	90, 67.889, 162.553
Yxy	75.3928, 0.2538, 0.4233
Android (android.graphics.Color)	4280745912 (0xFF26FFB8)
YUV	182.0230, 0.9747, -126.3082
Hunter-Lab	86.8290, -59.0074, 21.5058

Details

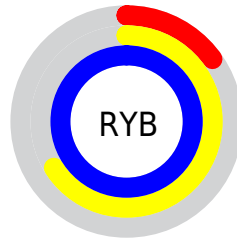
The XYZ color **45.2111, 75.3928, 57.5168** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **44.6944, 23.7514, 16.6998**, and the grayscale version is **44.5141, 46.8323, 51.0004**.

A 20% lighter version of the original color is **59.9456, 82.1712, 95.1392**, and **24.0630, 41.5712, 28.2285** is the 20% darker color. If you saturate the color by 10%, you get **43.7216, 74.7230, 53.0161**, and if you desaturate by 10%, it is **47.3956, 76.4149, 62.3219**.

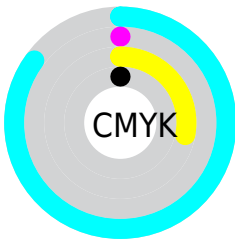
Distribution



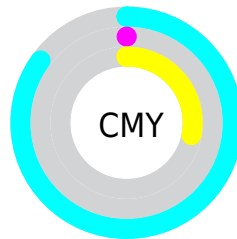
- Red (15%)
- Green (100%)
- Blue (72%)



- Red (15%)
- Yellow (66%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2111, 75.3928, 57.5168 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 45.2111, 75.3928, 57.5168 by changing the saturation by 10% instead.


 45.2111, 75.3928,
57.5168

 45.2111, 75.3928,
57.5168


358.3972,
479.2666, 432.9309


 31.8257, 55.9347,
41.0082


 82.2722, 126.8682,
102.7267

 21.3833, 40.1506,
28.0057


 106.6787,
159.6544, 132.2650

 13.5185, 27.6560,
18.0909


 135.4895,
197.6521, 166.9837

 7.8660, 18.0665,
10.8452

 169.0701,
241.2456, 207.3013

 4.0604, 10.9977,
5.8499

207.7858,
290.8194, 253.6362

 1.7364, 6.0653,
2.6867

252.0020,

 0.4789, 2.8848,

346.7580, 306.4071

0.9367

302.0840,
409.4455, 366.0325

■ 0.0000, 1.0719,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.2111, 75.3928,
57.5168

■ 45.2111, 75.3928,
57.5168

■ 43.7216, 74.7230,
53.0161

■ 47.3956, 76.4149,
62.3219

■ 43.1646, 74.4819,
50.9123

■ 50.3872, 77.8469,
67.4373

■ 54.2791, 79.7370,
72.8730

■ 59.1508, 82.1260,
78.6370

65.0731, 85.0501,
84.7369

72.1096, 88.5422,
91.1796

80.3190, 92.6325,
97.9720

89.7557, 97.3489,
105.1205

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.



52.0846, 75.3928, 31.3167



45.2111, 75.3928, 57.5168



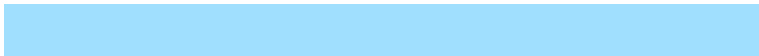
44.6918, 75.3928, 103.7149

Triad

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



45.2111, 75.3928, 57.5168



78.8575, 75.3928, 208.3393



97.9747, 75.3928, 34.3249

Complementary

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



45.2111, 75.3928, 57.5168



44.6944, 23.7514, 16.6998

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.



107.7421, 75.3928, 63.7015



45.2111, 75.3928, 57.5168



95.6089, 75.3928, 170.0403

Square

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



45.2111, 75.3928, 57.5168



62.4669, 75.3928, 204.5857



106.8147, 75.3928, 112.8215



81.7104, 75.3928, 21.9460

Rectangle

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



45.2111, 75.3928, 57.5168



47.8832, 75.3928, 142.0933



106.8147, 75.3928, 112.8215



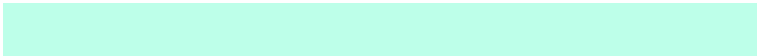
102.2322, 75.3928, 41.9227

Sweetspot

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



45.2118, 75.3931, 57.5181



71.4238, 88.2012, 90.5809



42.5831, 74.9970, 14.0663



14.7459, 18.6096, 18.9043



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.



45.2118, 75.3931, 57.5181



43.1646, 74.4819, 50.9123



44.1384, 58.2096, 103.5170



18.2872, 20.3744, 21.8156



22.6261, 38.9470, 26.9803



2.2534, 3.8123, 2.8921

Inverse Universe

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



44.6944, 23.7514, 16.6998



42.8182, 21.8913, 10.2407



44.0507, 26.3213, 4.5936



18.2544, 18.0851, 19.9568



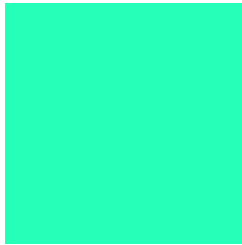
22.4342, 11.4630, 5.6710



2.2322, 1.1352, 0.8041

Previews

White Background



This preview shows how the XYZ color 45.2111, 75.3928, 57.5168 looks on a white background.

Color Contrast Check

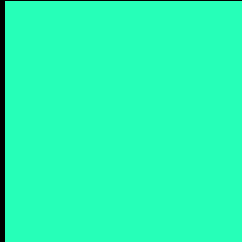
Large Text (above 18pt) WCAG AA × Fail

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 45.2111, 75.3928, 57.5168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

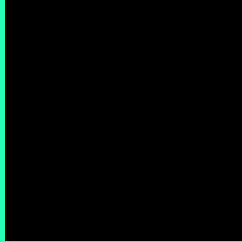
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2111, 75.3928, 57.5168

Background



This preview shows how black text looks on a background with the XYZ color 45.2111, 75.3928, 57.5168.



This preview shows how white text looks on a background with the XYZ color 45.2111, 75.3928,

Color Blindness Simulation

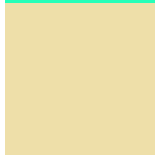
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



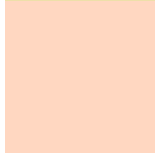
Original Color

45.2111, 75.3928, 57.5168



Protanopia

68.8090, 73.8171, 48.1576



Deuteranopia

75.1661, 73.7111, 60.7181



Tritanopia

59.6913, 74.9434, 105.9272

Trichromacy



Original Color

45.2111, 75.3928, 57.5168



Protanomaly

52.8654, 70.4720, 50.8606



Deuteranomaly

55.4956, 69.5414, 59.2131



Tritanomaly

52.2748, 73.7867, 85.6158

Monochromacy



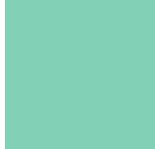
Original Color

45.2111, 75.3928, 57.5168



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.5536, 53.7657, 53.0402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2111, 75.3928, 57.5168 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(38, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 184)  
}
```

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(38, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 45.2111, 75.3928, 57.5168 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(38, 255, 184) }
```


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

```
.border{ border-color:rgb(38, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2111, 75.3928, 57.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 184) }
```

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

```
.background{ background-color: rgb(38, 255,  
184) }
```

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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