

Converting Colors

XYZ(45.8363, 73.2911, 61.0210)

Have a look what the booklet for
XYZ(45.8363, 73.2911, 61.0210)
contains.

XYZ(45.8363, 73.2911, 61.0210)	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(45.8363, 73.2911,
61.0210)**

Conversions

Conversions Part 1

Format	Color
Hex	42FABF
RGB	66, 250, 191
RGB Percent	26%, 98%, 75%
CMY	0.7412, 0.0196, 0.2510
CMYK	0.74, 0.00, 0.24, 0.02
HSL	161°, 95%, 62%
HSV	161°, 74%, 98%
XYZ	45.8363, 73.2911, 61.0210
YIQ	188.2580, -90.7250, -57.3570

Conversions

Conversions Part 2

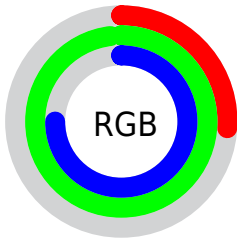
Format	Color
RYB	66, 176, 250
Decimal	4389567
CIELab	88.59, -58.71, 15.43
CIELCh	89, 60.700, 165.276
Yxy	73.2911, 0.2544, 0.4068
Android (android.graphics.Color)	4282579647 (0xFF42FABF)
YUV	188.2580, 1.3518, -107.2203
Hunter-Lab	85.6102, -54.2478, 17.6666

Details

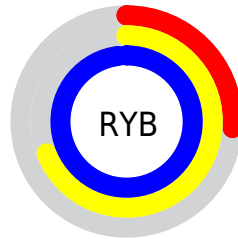
The XYZ color **45.8363, 73.2911, 61.0210** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.0766, 25.7027, 21.9900**, and the grayscale version is **47.9781, 50.4767, 54.9691**.

A 20% lighter version of the original color is **63.0297, 83.6387, 100.8176**, and **23.3650, 39.5054, 30.0608** is the 20% darker color. If you saturate the color by 10%, you get **43.6473, 72.2637, 56.4396**, and if you desaturate by 10%, it is **48.8129, 74.7227, 65.8946**.

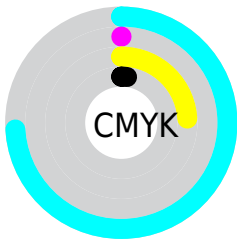
Distribution



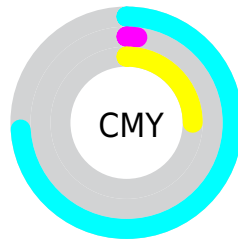
- Red (26%)
- Green (98%)
- Blue (75%)



- Red (26%)
- Yellow (69%)
- Blue (98%)



- Cyan (74%)
- Magenta (0%)
- Yellow (24%)
- Black (2%)





- Cyan (74%)
- Magenta (2%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8363, 73.2911, 61.0210 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 45.8363, 73.2911, 61.0210 by changing the saturation by 10% instead.


 45.8363, 73.2911,
61.0210


 45.8363, 73.2911,
61.0210


360.8771,
472.0231, 446.2597


 32.3207, 54.2140,
43.8114


 83.2033, 123.8904,
107.8672


 21.7633, 38.7728,
30.1862


 107.7855,
156.1814, 138.3409

 13.7987, 26.5830,
19.7267


 136.7872,
193.6458, 174.0730

 8.0616, 17.2603,
12.0144

 170.5739,
236.6680, 215.4822

 4.1865, 10.4203,
6.6309

209.5109,
285.6325, 262.9869

 1.8082, 5.6785,
3.1574

253.9635,

 0.5226, 2.6506,

340.9235, 317.0057

1.1756

304.2971,
402.9256, 377.9571

■ 0.0000, 0.9522,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.8363, 73.2911,
61.0210

■ 45.8363, 73.2911,
61.0210

■ 43.6473, 72.2637,
56.4396

■ 48.8129, 74.7227,
65.8946


■ 42.1355, 71.5780,
52.1364


■ 52.6571, 76.5941,
71.0632

■ 41.4272, 71.2699,
49.5222


■ 57.4451, 78.9462,
76.5358

■ 63.2430, 81.8131,
82.3193

 70.1107, 85.2256,
88.4201

 78.1035, 89.2121,
94.8443

 87.2725, 93.7990,
101.5978

 93.4769, 96.8539,
108.3756

Harmonies

Analogous

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



51.5199, 73.2911, 35.4645



45.8363, 73.2911, 61.0210



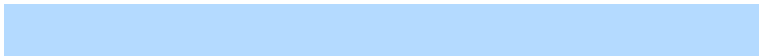
45.8893, 73.2911, 102.9721

Triad

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



45.8363, 73.2911, 61.0210



77.3407, 73.2911, 185.5194



91.3978, 73.2911, 35.1462

Complementary

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



45.8363, 73.2911, 61.0210



45.0766, 25.7027, 21.9900

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.



100.4844, 73.2911, 60.3970



45.8363, 73.2911, 61.0210



91.6274, 73.2911, 151.0051

Square

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



45.8363, 73.2911, 61.0210



62.7509, 73.2911, 185.8717



100.5738, 73.2911, 102.0871



77.0606, 73.2911, 24.4813

Rectangle

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



45.8363, 73.2911, 61.0210



49.1214, 73.2911, 135.9757



100.5738, 73.2911, 102.0871



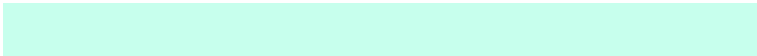
95.2510, 73.2911, 41.7223

Sweetspot

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



45.8383, 73.2940, 61.0227



74.5743, 89.7635, 93.5245



43.9734, 73.3053, 16.9869



15.5094, 18.9877, 19.6371



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.



45.8383, 73.2940, 61.0227



44.8648, 75.2258, 56.9784



44.9229, 58.9003, 99.4472



17.5151, 19.5083, 20.9133



22.0420, 37.8298, 26.6280



2.0898, 3.5230, 2.7207

Inverse Universe

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



45.0766, 25.7027, 21.9900



44.1456, 23.1896, 14.8651



44.6539, 29.2071, 8.4392



17.4740, 17.3169, 19.0857



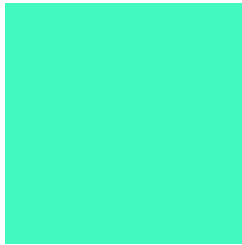
21.7411, 11.1122, 5.3449



2.0598, 1.0476, 0.7381

Previews

White Background



This preview shows how the XYZ color 45.8363, 73.2911, 61.0210 looks on a white background.

Color Contrast Check

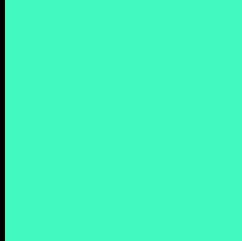
Large Text (above 18pt) WCAG AA × Fail

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 45.8363, 73.2911, 61.0210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

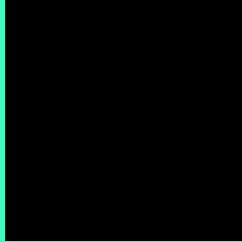
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

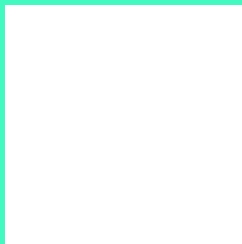
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8363, 73.2911, 61.0210

Background



This preview shows how black text looks on a background with the XYZ color 45.8363, 73.2911, 61.0210.

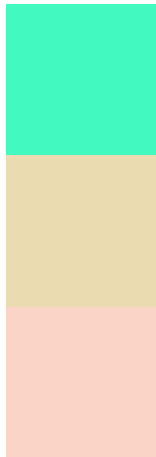


This preview shows how white text looks on a background with the XYZ color 45.8363, 73.2911, 61.0210.

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

45.8363, 73.2911, 61.0210

Protanopia

67.3614, 71.8134, 51.3853

Deuteranopia

72.9192, 71.3502, 63.9615



Tritanopia

57.2287, 72.8047, 105.6442

Trichromacy



Original Color

45.8363, 73.2911, 61.0210



Protanomaly

54.1500, 69.3723, 54.2522



Deuteranomaly

56.4516, 68.3233, 62.4370



Tritanomaly

52.0265, 72.2735, 87.5520

Monochromacy



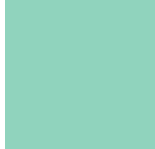
Original Color

45.8363, 73.2911, 61.0210



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.9812, 56.1919, 56.6722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8363, 73.2911, 61.0210 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(66, 250, 191)` looks like.

```
.text, #text, p{  
    color:rgb(66, 250, 191)  
}
```

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(66, 250, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 250, 191) }
```

Border

The CSS property to change the border of an element to XYZ 45.8363, 73.2911, 61.0210 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(66, 250, 191) }
```


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

```
.border{ border-color:rgb(66, 250, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 250, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 250, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 250, 191);  
box-shadow:4px 4px 4px 4px rgb(66, 250,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8363, 73.2911, 61.0210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 250, 191) }
```

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

```
.background{ background-color: rgb(66, 250,  
191) }
```

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