

Converting Colors

XYZ(45.3447, 74.2669, 57.0729)

Have a look what the booklet for
XYZ(45.3447, 74.2669, 57.0729)
contains.

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Color

**XYZ(45.2658, 74.0113,
57.2473)**

Conversions

Conversions Part 1

Format	Color
Hex	3BFCB8
RGB	59, 252, 184
RGB Percent	23%, 99%, 72%
CMY	0.7686, 0.0117, 0.2784
CMYK	0.77, 0.00, 0.27, 0.01
HSL	159°, 97%, 61%
HSV	159°, 77%, 99%
XYZ	45.2658, 74.0113, 57.2473
YIQ	186.5410, -93.2000, -62.0640

Conversions

Conversions Part 2

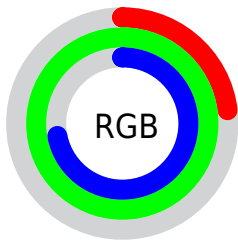
Format	Color
RYB	59, 176, 252
Decimal	3931320
CIELab	88.93, -61.81, 19.49
CIELCh	89, 64.811, 162.501
Yxy	74.0113, 0.2564, 0.4193
Android (android.graphics.Color)	4282121400 (0xFF3BFCB8)
YUV	186.5410, -1.2527, -111.8535
Hunter-Lab	86.0298, -56.6319, 20.7672

Details

The XYZ color **45.2658, 74.0113, 57.2473** 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 **45.5422, 25.3575, 22.5762**, and the grayscale version is **47.0224, 49.4712, 53.8741**.

A 20% lighter version of the original color is **61.3197, 82.8796, 95.2036**, and **23.3885, 40.2223, 28.0037** is the 20% darker color. If you saturate the color by 10%, you get **43.2150, 73.0602, 52.4452**, and if you desaturate by 10%, it is **48.0990, 75.3628, 62.3943**.

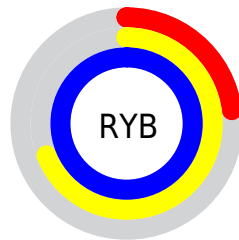
Distribution



Red (23%)

Green (99%)

Blue (72%)



Red (23%)

Yellow (69%)

Blue (99%)

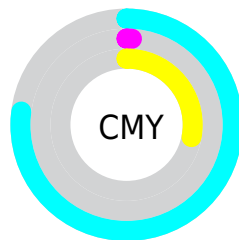


Cyan (77%)

Magenta (0%)

Yellow (27%)

Black (1%)



Cyan (77%)


Magenta (1%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2658, 74.0113, 57.2473 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 45.2658, 74.0113, 57.2473 by changing the saturation by 10% instead.


 45.2658, 74.0113,
57.2473


 45.2658, 74.0113,
57.2473


358.6146,
474.5124, 431.8950


 31.8690, 54.8033,
40.7931


 82.3537, 124.9118,
102.3299


 21.4165, 39.2442,
27.8390


 106.7756,
157.3731, 131.7953

 13.5430, 26.9498,
17.9663


 135.6032,
195.0210, 166.4350

 7.8831, 17.5355,
10.7566

 169.2019,
238.2398, 206.6674

 4.0714, 10.6170,
5.7913

207.9370,
287.4139, 252.9110

 1.7426, 5.8099,
2.6519

252.1739,

 0.4827, 2.7299,

342.9278, 305.5845

0.9191

302.2780,
405.1658, 365.1063

■ 0.0000, 0.9924,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.2658, 74.0113,
57.2473

■ 45.2658, 74.0113,
57.2473

■ 43.2150, 73.0602,
52.4452

■ 48.0990, 75.3628,
62.3943

■ 41.8248, 72.4411,
47.9719

■ 51.8012, 77.1535,
67.8908

■ 41.4415, 72.2753,
46.5159

■ 56.4534, 79.4271,
73.7474

■ 62.1256, 82.2193,
79.9726

■ 68.8808, 85.5626,
86.5743

■ 76.7768, 89.4867,
93.5602

■ 85.8673, 94.0191,
100.9374

■ 94.1017, 98.1034,
108.5839

Harmonies

Analogous

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



51.8286, 74.0113, 32.1120



45.2658, 74.0113, 57.2473



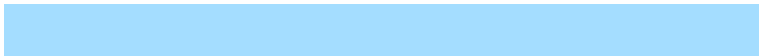
44.7589, 74.0113, 100.8234

Triad

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



45.2658, 74.0113, 57.2473



77.0964, 74.0113, 198.1640



95.0803, 74.0113, 35.0922

Complementary

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



45.2658, 74.0113, 57.2473



45.5422, 25.3575, 22.5762

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.



104.1933, 74.0113, 63.2553



45.2658, 74.0113, 57.2473



92.8184, 74.0113, 162.7909

Square

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



45.2658, 74.0113, 57.2473



61.6382, 74.0113, 194.6233



103.3088, 74.0113, 109.5351



79.8365, 74.0113, 22.9927

Rectangle

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



45.2658, 74.0113, 57.2473



47.7986, 74.0113, 136.6540



103.3088, 74.0113, 109.5351



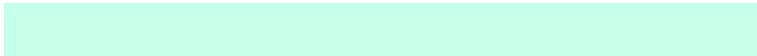
99.0575, 74.0113, 42.4328

Sweetspot

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



45.2678, 74.0142, 57.2490



73.5155, 89.2625, 91.4490



44.7725, 74.6672, 16.1912



15.1378, 18.8092, 19.0286



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

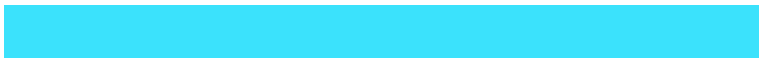
The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.2678, 74.0142, 57.2490



43.5357, 74.6646, 51.3179



46.6456, 62.4990, 101.7039



17.4909, 19.4986, 20.7857



21.6591, 37.6767, 24.6120



2.0563, 3.5096, 2.5442

Inverse Universe

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



45.5422, 25.3575, 22.5762



43.9485, 22.7550, 14.9238



44.1641, 27.4683, 7.1130



17.4972, 17.3262, 19.2078



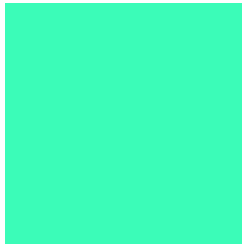
21.9097, 11.1796, 6.2331



2.0774, 1.0547, 0.8313

Previews

White Background



This preview shows how the XYZ color 45.2658, 74.0113, 57.2473 looks on a white background.

Color Contrast Check

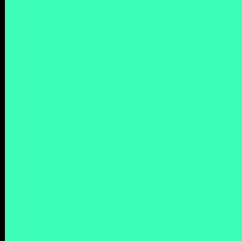
Large Text (above 18pt) WCAG AA × Fail

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 45.2658, 74.0113, 57.2473 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

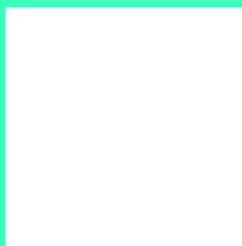
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2658, 74.0113, 57.2473

Background



This preview shows how black text looks on a background with the XYZ color 45.2658, 74.0113, 57.2473.

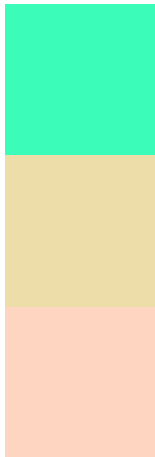


This preview shows how white text looks on a background with the XYZ color 45.2658, 74.0113,

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

45.2658, 74.0113, 57.2473

Protanopia

67.6100, 72.4103, 47.9493

Deuteranopia

73.9279, 72.3214, 60.5151



Tritanopia

57.9846, 73.1944, 105.6796

Trichromacy



Original Color

45.2658, 74.0113, 57.2473



Protanomaly

53.5099, 69.5399, 50.6467



Deuteranomaly

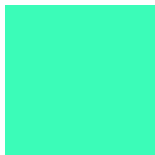
56.0548, 68.6010, 59.0021



Tritanomaly

52.0191, 72.7616, 85.4314

Monochromacy



Original Color

45.2658, 74.0113, 57.2473



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.9724, 55.7092, 54.9424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2658, 74.0113, 57.2473 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(59, 252, 184)` looks like.

```
.text, #text, p{  
    color:rgb(59, 252, 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(59, 252, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 252, 184) }
```

Border

The CSS property to change the border of an element to XYZ 45.2658, 74.0113, 57.2473 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(59, 252, 184) }
```


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

```
.border{ border-color:rgb(59, 252, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 252, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 252, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 252, 184);  
box-shadow:4px 4px 4px 4px rgb(59, 252,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2658, 74.0113, 57.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 252, 184) }
```

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

```
.background{ background-color: rgb(59, 252,  
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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