

Converting Colors

XYZ(45.0026, 75.4226, 51.3052)

Have a look what the booklet for
XYZ(45.0026, 75.4226, 51.3052)
contains.

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Color

**XYZ(45.0100, 75.4284,
51.2166)**

Conversions

Conversions Part 1

Format	Color
Hex	3BFFAC
RGB	59, 255, 172
RGB Percent	23%, 100%, 67%
CMY	0.7686, 0.0000, 0.3255
CMYK	0.77, 0.00, 0.33, 0.00
HSL	155°, 100%, 62%
HSV	155°, 77%, 100%
XYZ	45.0100, 75.4284, 51.2166
YIQ	186.9340, -90.1730, -67.3650

Conversions

Conversions Part 2

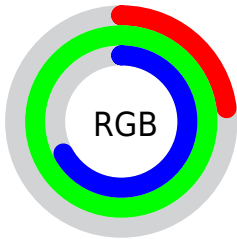
Format	Color
RYB	59, 183, 255
Decimal	3932076
CIELab	89.59, -65.42, 26.52
CIELCh	90, 70.586, 157.936
Yxy	75.4284, 0.2622, 0.4394
Android (android.graphics.Color)	4282122156 (0xFF3BFFAC)
YUV	186.9340, -7.3625, -112.1981
Hunter-Lab	86.8495, -59.4786, 25.8304

Details

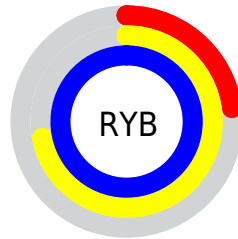
The XYZ color **45.0100, 75.4284, 51.2166** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **47.6869, 26.3416, 28.1633**, and the grayscale version is **47.2740, 49.7360, 54.1625**.

A 20% lighter version of the original color is **59.5951, 82.1898, 86.1220**, and **23.2960, 41.2644, 24.1898** is the 20% darker color. If you saturate the color by 10%, you get **42.8545, 74.4322, 45.9208**, and if you desaturate by 10%, it is **47.9881, 76.8388, 56.9934**.

Distribution



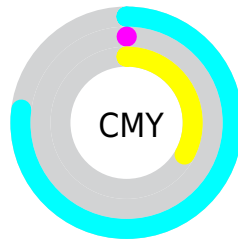
- Red (23%)
- Green (100%)
- Blue (67%)



- Red (23%)
- Yellow (72%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (77%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0100, 75.4284, 51.2166 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 45.0100, 75.4284, 51.2166 by changing the saturation by 10% instead.


 45.0100, 75.4284,
51.2166


 45.0100, 75.4284,
51.2166


357.5971,
479.3887, 408.2753


 31.6666, 55.9639,
36.0031


 81.9724, 126.9186,
93.3896


 21.2613, 40.1740,
24.1469


 106.3221,
159.7131, 121.1863

 13.4287, 27.6742,
15.2294


 135.0713,
197.7197, 154.0143

 7.8034, 18.0802,
8.8321

 168.5854,
241.3229, 192.2924

 4.0202, 11.0076,
4.5365

207.2296,
290.9070, 236.4390

 1.7135, 6.0720,
1.9241

251.3694,

 0.4647, 2.8889,

346.8564, 286.8726

0.5080

301.3701,
409.5555, 344.0119

■ 0.0000, 1.0740,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.0100, 75.4284,
51.2166

■ 45.0100, 75.4284,
51.2166

■ 42.8545, 74.4322,
45.9208

■ 47.9881, 76.8388,
56.9934


■ 41.3980, 73.7868,
41.0861


■ 51.8837, 78.7124,
63.2618


■ 41.0277, 73.6271,
39.6593

■ 56.7801, 81.0917,
70.0369

■ 62.7500, 84.0140,
77.3313

 69.8594, 87.5132,
85.1575

 78.1688, 91.6202,
93.5269

 87.7340, 96.3636,
102.4510

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.



53.0793, 75.4284, 27.4767



45.0100, 75.4284, 51.2166



43.4710, 75.4284, 96.0357

Triad

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



45.0100, 75.4284, 51.2166



76.3968, 75.4284, 217.7233



101.3490, 75.4284, 36.2868

Complementary

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



45.0100, 75.4284, 51.2166



47.6869, 26.3416, 28.1633

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.



110.0626, 75.4284, 69.6336



45.0100, 75.4284, 51.2166



94.2158, 75.4284, 182.8591

Square

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



45.0100, 75.4284, 51.2166



59.8783, 75.4284, 206.2811



107.2608, 75.4284, 123.4937



84.9665, 75.4284, 21.5983

Rectangle

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



45.0100, 75.4284, 51.2166



46.0770, 75.4284, 135.5021



107.2608, 75.4284, 123.4937



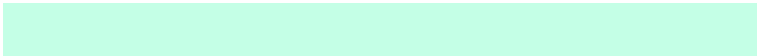
105.3832, 75.4284, 45.0126

Sweetspot

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



45.0106, 75.4286, 51.2179



72.9220, 89.0251, 88.3236



48.0400, 77.7594, 16.6155



14.9938, 18.7516, 18.2702



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.



45.0106, 75.4286, 51.2179



42.0282, 74.0616, 43.3795



51.5863, 71.6148, 105.7119



18.2106, 20.3438, 21.4121



21.5141, 38.5022, 21.1244



2.1494, 3.7707, 2.3446

Inverse Universe

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



47.6869, 26.3416, 28.1633



44.8720, 23.1244, 19.7869



44.3516, 26.2198, 6.8617



18.3286, 18.1147, 20.3473



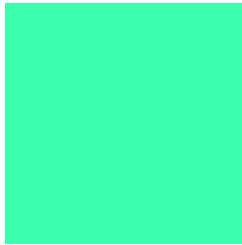
23.0336, 11.7027, 8.8271



2.2959, 1.1607, 1.1397

Previews

White Background



This preview shows how the XYZ color 45.0100, 75.4284, 51.2166 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 45.0100, 75.4284, 51.2166 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

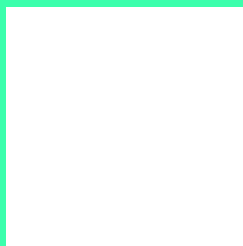
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0100, 75.4284, 51.2166

Background



This preview shows how black text looks on a background with the XYZ color 45.0100, 75.4284, 51.2166.



This preview shows how white text looks on a background with the XYZ color 45.0100, 75.4284,

Color Blindness Simulation

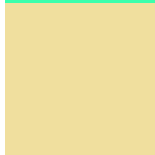
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



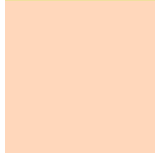
Original Color

45.0100, 75.4284, 51.2166



Protanopia

68.4944, 73.7692, 42.9766



Deuteranopia

74.5101, 73.4487, 57.2636



Tritanopia

59.9010, 74.6157, 105.8529

Trichromacy



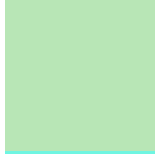
Original Color

45.0100, 75.4284, 51.2166



Protanomaly

53.7747, 71.0597, 45.5320



Deuteranomaly

56.5075, 70.1614, 54.8202



Tritanomaly

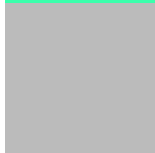
52.7986, 74.1206, 82.7581

Monochromacy



Original Color

45.0100, 75.4284, 51.2166



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.8022, 56.0398, 52.8168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0100, 75.4284, 51.2166 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, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(59, 255, 172)  
}
```

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, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 45.0100, 75.4284, 51.2166 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, 255, 172) }
```


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

```
.border{ border-color:rgb(59, 255, 172) }
```

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

Here you see how a box with a 4 pixel rgb(59, 255, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(59, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0100, 75.4284, 51.2166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 255, 172) }
```

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

```
.background{ background-color: rgb(59, 255,  
172) }
```

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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