

Converting Colors

XYZ(54.4477, 93.1112, 56.1446)

Have a look what the booklet for
XYZ(54.4477, 93.1112, 56.1446)
contains.

XYZ(45.7764, 75.7784, 53.2883)	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(45.7764, 75.7784,
53.2883)**

Conversions

Conversions Part 1

Format	Color
Hex	41FFB0
RGB	65, 255, 176
RGB Percent	25%, 100%, 69%
CMY	0.7451, 0.0000, 0.3098
CMYK	0.75, 0.00, 0.31, 0.00
HSL	155°, 100%, 63%
HSV	155°, 75%, 100%
XYZ	45.7764, 75.7784, 53.2883
YIQ	189.1840, -87.8810, -64.8490

Conversions

Conversions Part 2

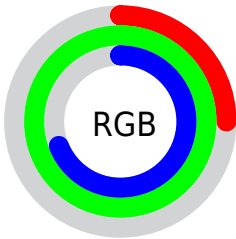
Format	Color
RYB	65, 185, 255
Decimal	4325296
CIELab	89.76, -63.92, 24.73
CIELCh	90, 68.536, 158.851
Yxy	75.7784, 0.2618, 0.4334
Android (android.graphics.Color)	4282515376 (0xFF41FFB0)
YUV	189.1840, -6.4997, -108.9094
Hunter-Lab	87.0508, -58.4731, 24.6411

Details

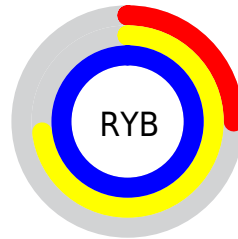
The XYZ color **45.7764, 75.7784, 53.2883** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **48.1648, 27.0549, 29.0702**, and the grayscale version is **48.5477, 51.0759, 55.6217**.

A 20% lighter version of the original color is **60.8067, 82.7495, 89.1113**, and **23.5414, 41.3626, 25.4819** is the 20% darker color. If you saturate the color by 10%, you get **43.4439, 74.6925, 47.9158**, and if you desaturate by 10%, it is **48.9532, 77.2900, 59.1307**.

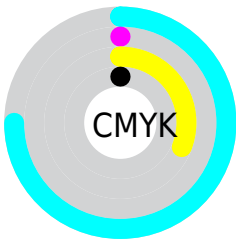
Distribution



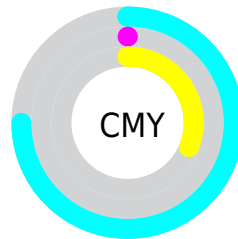
- Red (25%)
- Green (100%)
- Blue (69%)



- Red (25%)
- Yellow (73%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7764, 75.7784, 53.2883 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 45.7764, 75.7784, 53.2883 by changing the saturation by 10% instead.


 45.7764, 75.7784,
53.2883


 45.7764, 75.7784,
53.2883

360.6400,
480.5888, 416.4879


 32.2733, 56.2508,
37.6437


 83.1142, 127.4136,
96.4743


 21.7269, 40.4041,
25.4066


 107.6795,
160.2900, 124.8528

 13.7718, 27.8537,
16.1584

 136.6631,
198.3849, 158.3129

 8.0428, 18.2154,
9.4808

 170.4300,
242.0825, 197.2733

 4.1744, 11.1048,
4.9550

209.3459,
291.7673, 242.1524

 1.8012, 6.1373,
2.1626


253.7759,


 0.5184, 2.9288,


347.8237, 293.3689


0.6527


304.0855,
410.6360, 351.3412


 0.0000, 1.0947,
0.0000


 0.0000, 0.0000,
0.0000


 45.7764, 75.7784,
53.2883


 45.7764, 75.7784,
53.2883


 43.4439, 74.6925,
47.9158


 48.9532, 77.2900,
59.1307

 41.8406, 73.9732,
42.9942


 53.0650, 79.2741,
65.4527


 41.1827, 73.6891,
40.4758


 58.1924, 81.7718,
72.2686

 64.4064, 84.8197,
79.5905

 71.7714, 88.4505,
87.4299

 80.3465, 92.6948,
95.7980

 90.1867, 97.5807,
104.7056

 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.



53.5077, 75.7784, 29.1928



45.7764, 75.7784, 53.2883



44.4578, 75.7784, 97.6696

Triad

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



45.7764, 75.7784, 53.2883



77.1403, 75.7784, 212.8116



100.4030, 75.7784, 36.8258

Complementary

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



45.7764, 75.7784, 53.2883



48.1648, 27.0549, 29.0702

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.



109.1299, 75.7784, 69.0059



45.7764, 75.7784, 53.2883



94.3865, 75.7784, 178.2464

Square

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



45.7764, 75.7784, 53.2883



60.9284, 75.7784, 203.2564



106.7709, 75.7784, 120.8357



84.3933, 75.7784, 22.6011

Rectangle

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



45.7764, 75.7784, 53.2883



47.1533, 75.7784, 136.0399



106.7709, 75.7784, 120.8357



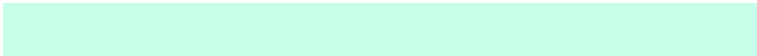
104.3910, 75.7784, 45.2652

Sweetspot

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



45.7770, 75.7787, 53.2896



73.8059, 89.4561, 89.4784



48.2455, 77.8463, 17.4849



15.3273, 18.9149, 18.6783



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.



45.7770, 75.7787, 53.2896



42.6413, 74.3280, 45.6499



51.1458, 70.1749, 105.4572



18.2167, 20.3462, 21.4441



21.5950, 38.5346, 21.5504



2.1571, 3.7738, 2.3851

Inverse Universe

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



48.1648, 27.0549, 29.0702



45.1950, 23.5083, 20.7024



45.1247, 27.5025, 7.9320



18.3226, 18.1124, 20.3160



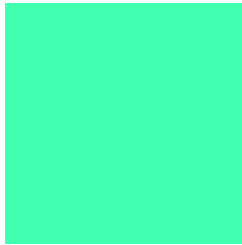
22.9791, 11.6809, 8.5402



2.2903, 1.1585, 1.1101

Previews

White Background



This preview shows how the XYZ color 45.7764, 75.7784, 53.2883 looks on a white background.

Color Contrast Check

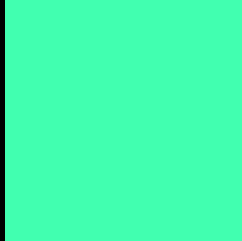
Large Text (above 18pt) WCAG AA × Fail

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 45.7764, 75.7784, 53.2883 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 45.7764, 75.7784, 53.2883

Background



This preview shows how black text looks on a background with the XYZ color 45.7764, 75.7784, 53.2883.

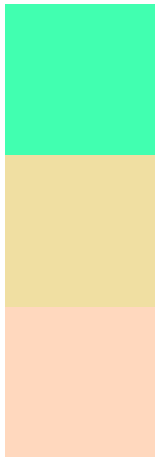


This preview shows how white text looks on a background with the XYZ color 45.7764, 75.7784,

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

45.7764, 75.7784, 53.2883

Protanopia

68.8444, 73.9093, 44.8198

Deuteranopia

75.0901, 74.0894, 59.0582



Tritanopia

60.4181, 74.8823, 105.8771

Trichromacy



Original Color

45.7764, 75.7784, 53.2883



Protanomaly

54.5879, 71.4368, 47.4708



Deuteranomaly

57.3035, 70.5355, 56.4934



Tritanomaly

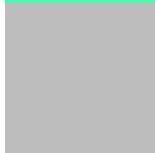
53.4501, 74.4406, 83.5029

Monochromacy



Original Color

45.7764, 75.7784, 53.2883



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

43.9476, 56.9785, 54.0291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7764, 75.7784, 53.2883 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(65, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(65, 255, 176)  
}
```

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(65, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 45.7764, 75.7784, 53.2883 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(65, 255, 176) }
```


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

```
.border{ border-color:rgb(65, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(65, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7764, 75.7784, 53.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 255, 176) }
```

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

```
.background{ background-color: rgb(65, 255,  
176) }
```

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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