

Converting Colors

XYZ(45.4600, 75.6152, 53.2735)

Have a look what the booklet for
XYZ(45.4600, 75.6152, 53.2735)
contains.

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Color

**XYZ(45.4600, 75.6152,
53.2735)**

Conversions

Conversions Part 1

Format	Color
Hex	3CFFB0
RGB	60, 255, 176
RGB Percent	24%, 100%, 69%
CMY	0.7647, 0.0000, 0.3098
CMYK	0.76, 0.00, 0.31, 0.00
HSL	156°, 100%, 62%
HSV	156°, 76%, 100%
XYZ	45.4600, 75.6152, 53.2735
YIQ	187.6890, -90.8610, -65.9090

Conversions

Conversions Part 2

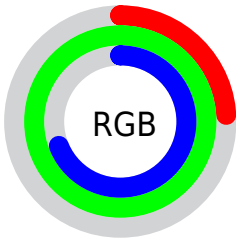
Format	Color
RYB	60, 182, 255
Decimal	3997616
CIELab	89.68, -64.50, 24.61
CIELCh	90, 69.034, 159.114
Yxy	75.6152, 0.2607, 0.4337
Android (android.graphics.Color)	4282187696 (0xFF3CFFB0)
YUV	187.6890, -5.7627, -111.9833
Hunter-Lab	86.9570, -58.8573, 24.5464

Details

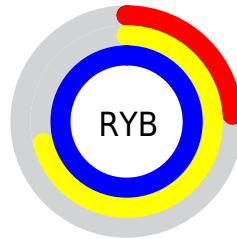
The XYZ color **45.4600, 75.6152, 53.2735** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **47.5169, 26.3568, 27.0113**, and the grayscale version is **47.6931, 50.1768, 54.6426**.

A 20% lighter version of the original color is **60.3172, 82.4971, 89.0884**, and **23.5414, 41.3626, 25.4819** is the 20% darker color. If you saturate the color by 10%, you get **43.2894, 74.6099, 48.0382**, and if you desaturate by 10%, it is **48.4510, 77.0345, 58.9559**.

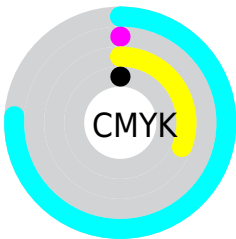
Distribution



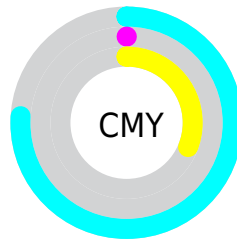
- Red (24%)
- Green (100%)
- Blue (69%)



- Red (24%)
- Yellow (71%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4600, 75.6152, 53.2735 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 45.4600, 75.6152, 53.2735 by changing the saturation by 10% instead.


 45.4600, 75.6152,
53.2735


 45.4600, 75.6152,
53.2735


359.3858,
480.0294, 416.4296

 32.0227, 56.1170,
37.6319


 82.6431, 127.1828,
96.4523

 21.5345, 40.2968,
25.3975


 107.1196,
160.0211, 124.8267

 13.6299, 27.7700,
16.1518


 136.0066,
198.0748, 158.2823

 7.9437, 18.1524,
9.4761

 169.6694,
241.7284, 197.2379

 4.1105, 11.0594,
4.9520

208.4733,
291.3663, 242.1118

 1.7648, 6.1068,
2.1609

252.7838,

 0.4963, 2.9101,

347.3728, 293.3227

0.6516

302.9662,
410.1324, 351.2891

0.0000, 1.0850,
0.0000

0.0000, 0.0000,
0.0000

45.4600, 75.6152,
53.2735

45.4600, 75.6152,
53.2735

43.2894, 74.6099,
48.0382

48.4510, 77.0345,
58.9559


41.8178, 73.9562,
43.2315


52.3562, 78.9159,
65.0947


41.4022, 73.7769,
41.6316

57.2580, 81.3017,
71.7033

63.2288, 84.2290,
78.7935

 70.3341, 87.7314,
86.3761

 78.6338, 91.8397,
94.4619

 88.1835, 96.5823,
103.0608

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.



53.1640, 75.6152, 28.9768



45.4600, 75.6152, 53.2735



44.1939, 75.6152, 98.0630

Triad

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



45.4600, 75.6152, 53.2735



77.1712, 75.6152, 213.6066



100.3206, 75.6152, 36.2819

Complementary

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



45.4600, 75.6152, 53.2735



47.5169, 26.3568, 27.0113

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.



109.2015, 75.6152, 68.3805



45.4600, 75.6152, 53.2735



94.5176, 75.6152, 178.3757

Square

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



45.4600, 75.6152, 53.2735



60.8390, 75.6152, 204.3642



106.9251, 75.6152, 120.4031



84.1597, 75.6152, 22.1978

Rectangle

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



45.4600, 75.6152, 53.2735



46.9358, 75.6152, 136.7730



106.9251, 75.6152, 120.4031



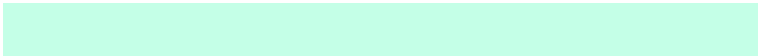
104.3635, 75.6152, 44.6780

Sweetspot

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



45.4607, 75.6156, 53.2748



73.0737, 89.0858, 89.1223



47.6037, 77.5314, 16.7322



15.0305, 18.7663, 18.4637



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.



45.4607, 75.6156, 53.2748



42.3980, 74.2095, 45.3267



50.7075, 69.7680, 105.4018



18.2251, 20.3496, 21.4885



21.7095, 38.5804, 22.1531



2.1679, 3.7781, 2.4422

Inverse Universe

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



47.5169, 26.3568, 27.0113



44.6174, 23.0226, 18.4462



44.6580, 26.7908, 7.0935



18.3144, 18.1091, 20.2725



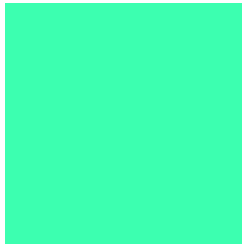
22.9054, 11.6515, 8.1524



2.2827, 1.1554, 1.0699

Previews

White Background



This preview shows how the XYZ color 45.4600, 75.6152, 53.2735 looks on a white background.

Color Contrast Check

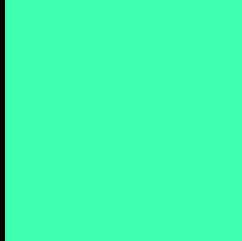
Large Text (above 18pt) WCAG AA × Fail

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 45.4600, 75.6152, 53.2735 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 45.4600, 75.6152, 53.2735

Background



This preview shows how black text looks on a background with the XYZ color 45.4600, 75.6152, 53.2735.

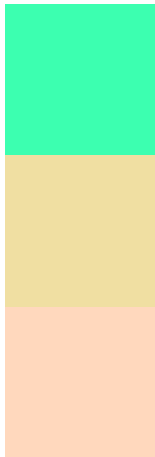


This preview shows how white text looks on a background with the XYZ color 45.4600, 75.6152,

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

45.4600, 75.6152, 53.2735

Protanopia

68.8444, 73.9093, 44.8198

Deuteranopia

74.9812, 74.0459, 58.4845



Tritanopia

60.0718, 74.7038, 105.8609

Trichromacy



Original Color

45.4600, 75.6152, 53.2735



Protanomaly

54.3626, 71.3206, 47.4603



Deuteranomaly

56.7157, 70.2447, 55.9167



Tritanomaly

53.0620, 74.2405, 83.4847

Monochromacy



Original Color

45.4600, 75.6152, 53.2735



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.1797, 56.2104, 53.9213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4600, 75.6152, 53.2735 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(60, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(60, 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(60, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 45.4600, 75.6152, 53.2735 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(60, 255, 176) }
```


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

```
.border{ border-color:rgb(60, 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(60, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(60, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4600, 75.6152, 53.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 255, 176) }
```

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

```
.background{ background-color: rgb(60, 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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