

Converting Colors

XYZ(57.8394, 100.0000,
64.7442)

Have a look what the booklet for
XYZ(57.8394, 100.0000, 64.7442)
contains.

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Color

**XYZ(45.6499, 75.5448,
60.8908)**

Conversions

Conversions Part 1

Format	Color
Hex	20FFBE
RGB	32, 255, 190
RGB Percent	13%, 100%, 75%
CMY	0.8745, 0.0000, 0.2549
CMYK	0.87, 0.00, 0.25, 0.00
HSL	163°, 100%, 56%
HSV	163°, 87%, 100%
XYZ	45.6499, 75.5448, 60.8908
YIQ	180.9130, -112.0430, -67.4910

Conversions

Conversions Part 2

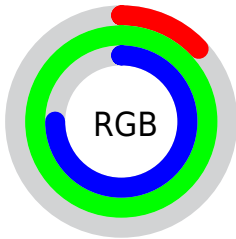
Format	Color
R _Y B	32, 163, 255
Decimal	2162622
CIE Lab	89.65, -63.81, 17.38
CIE LCh	90, 66.136, 164.769
Yxy	75.5448, 0.2507, 0.4149
Android (android.graphics.Color)	4280352702 (0xFF20FFBE)
YUV	180.9130, 4.4799, -130.5967
Hunter-Lab	86.9165, -58.3529, 19.3050

Details

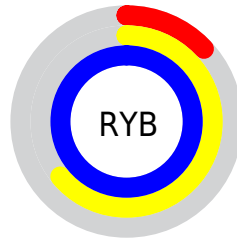
The XYZ color **45.6499, 75.5448, 60.8908** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **43.9151, 23.1571, 13.4673**, and the grayscale version is **43.8958, 46.1818, 50.2920**.

A 20% lighter version of the original color is **60.5629, 82.3848, 99.8986**, and **24.4102, 41.7101, 30.0569** is the 20% darker color. If you saturate the color by 10%, you get **44.3440, 74.9630, 56.6972**, and if you desaturate by 10%, it is **47.6048, 76.4562, 65.3337**.

Distribution



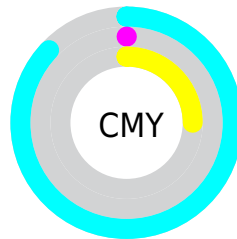
- Red (13%)
- Green (100%)
- Blue (75%)



- Red (13%)
- Yellow (64%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6499, 75.5448, 60.8908 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 45.6499, 75.5448, 60.8908 by changing the saturation by 10% instead.


 45.6499, 75.5448,
60.8908


 45.6499, 75.5448,
60.8908


360.1389,
479.7880, 445.7690


 32.1731, 56.0593,
43.7071


 82.9259, 127.0833,
107.6768


 21.6499, 40.2505,
30.1048


 107.4558,
159.9050, 138.1161

 13.7151, 27.7339,
19.6654


 136.4007,
197.9410, 173.8111

 8.0031, 18.1252,
11.9704

 170.1261,
241.5756, 215.1802

 4.1488, 11.0399,
6.6012

208.9972,
291.1932, 262.6420

 1.7866, 6.0937,
3.1394

253.3795,

 0.5096, 2.9021,

347.1782, 316.6150

1.1662

303.6383,
409.9150, 377.5178

■ 0.0000, 1.0808,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6499, 75.5448,
60.8908

■ 45.6499, 75.5448,
60.8908

■ 44.3440, 74.9630,
56.6972

■ 47.6048, 76.4562,
65.3337

■ 44.0667, 74.8427,
55.6626

■ 50.3321, 77.7611,
70.0308

■ 53.9288, 79.5092,
74.9911

■ 58.4768, 81.7427,
80.2215

64.0484, 84.4989,
85.7282

70.7086, 87.8111,
91.5171

78.5169, 91.7100,
97.5938

87.5284, 96.2239,
103.9638

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.



51.9477, 75.5448, 33.6338



45.6499, 75.5448, 60.8908



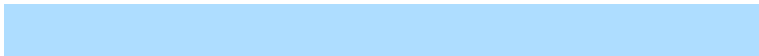
45.6016, 75.5448, 107.2741

Triad

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



45.6499, 75.5448, 60.8908



80.0769, 75.5448, 202.8683



96.3825, 75.5448, 33.9165

Complementary

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



45.6499, 75.5448, 60.8908



43.9151, 23.1571, 13.4673

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.



106.5011, 75.5448, 61.4646



45.6499, 75.5448, 60.8908



96.1652, 75.5448, 163.6706

Square

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



45.6499, 75.5448, 60.8908



63.8937, 75.5448, 202.5266



106.4161, 75.5448, 108.1107



80.3396, 75.5448, 22.5553

Rectangle

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



45.6499, 75.5448, 60.8908



49.0481, 75.5448, 144.6581



106.4161, 75.5448, 108.1107



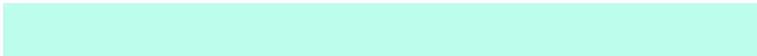
100.6899, 75.5448, 41.0108

Sweetspot

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



45.6506, 75.5451, 60.8921



71.7650, 88.3377, 92.3775



41.1567, 74.2719, 13.5342



14.8274, 18.6422, 19.3334



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.



45.6506, 75.5451, 60.8921



44.0667, 74.8427, 55.6626



41.7923, 53.8197, 102.7933



18.3159, 20.3859, 21.9666



23.0940, 39.1342, 29.4442



2.2962, 3.8294, 3.1177

Inverse Universe

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



43.9151, 23.1571, 13.4673



42.4872, 21.7589, 8.4975



44.1277, 26.6179, 4.1795



18.2271, 18.0742, 19.8132



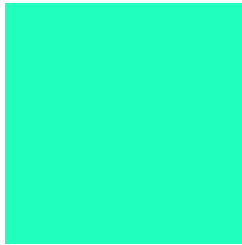
22.2564, 11.3919, 4.7348



2.2121, 1.1272, 0.6985

Previews

White Background



This preview shows how the XYZ color 45.6499, 75.5448, 60.8908 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 45.6499, 75.5448, 60.8908 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 45.6499, 75.5448, 60.8908

Background



This preview shows how black text looks on a background with the XYZ color 45.6499, 75.5448, 60.8908.



This preview shows how white text looks on a background with the XYZ color 45.6499, 75.5448, 60.8908.

Color Blindness Simulation

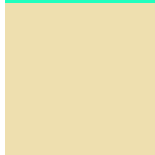
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



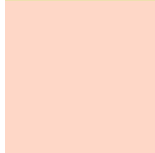
Original Color

45.6499, 75.5448, 60.8908



Protanopia

69.3854, 74.0476, 51.1931



Deuteranopia

75.4823, 73.7952, 64.2984



Tritanopia

59.8575, 75.0291, 105.9350

Trichromacy



Original Color

45.6499, 75.5448, 60.8908



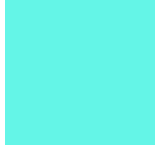
Protanomaly

53.0508, 70.4985, 53.9915



Deuteranomaly

55.4942, 69.4634, 62.7075



Tritanomaly

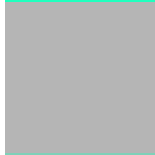
52.3317, 73.7837, 87.0848

Monochromacy



Original Color

45.6499, 75.5448, 60.8908



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.9600, 53.0845, 53.4876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6499, 75.5448, 60.8908 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(32, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(32, 255, 190)  
}
```

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(32, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 255, 190) }
```

Border

The CSS property to change the border of an element to XYZ 45.6499, 75.5448, 60.8908 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(32, 255, 190) }
```


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

```
.border{ border-color:rgb(32, 255, 190) }
```

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

Here you see how a box with a 4 pixel rgb(32, 255, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(32, 255,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6499, 75.5448, 60.8908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 255, 190) }
```

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

```
.background{ background-color: rgb(32, 255,  
190) }
```

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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