

Converting Colors

XYZ(33.5944, 45.4992, 42.1023)

Have a look what the booklet for
XYZ(33.5944, 45.4992, 42.1023)
contains.

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Color

**XYZ(33.5521, 45.4925,
42.1345)**

Conversions

Conversions Part 1

Format	Color
Hex	75C3A4
RGB	117, 195, 164
RGB Percent	46%, 76%, 64%
CMY	0.5412, 0.2353, 0.3569
CMYK	0.40, 0.00, 0.16, 0.24
HSL	156°, 39%, 61%
HSV	156°, 40%, 76%
XYZ	33.5521, 45.4925, 42.1345
YIQ	168.1440, -36.5370, -26.1770

Conversions

Conversions Part 2

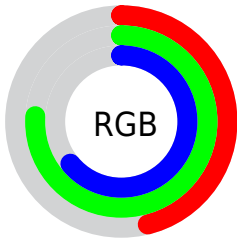
Format	Color
RYB	117, 166, 195
Decimal	7717796
CIELab	73.22, -31.18, 8.08
CIElCh	73, 32.206, 165.478
Yxy	45.4925, 0.2769, 0.3754
Android (android.graphics.Color)	4285907876 (0xFF75C3A4)
YUV	168.1440, -2.0430, -44.8533
Hunter-Lab	67.4481, -29.2393, 10.1755

Details

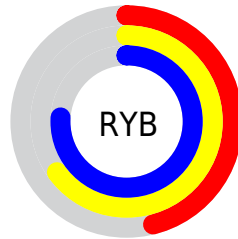
The XYZ color **33.5521, 45.4925, 42.1345** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.2139, 26.4640, 31.3236**, and the grayscale version is **37.3138, 39.2570, 42.7509**.

A 20% lighter version of the original color is **64.6098, 83.5059, 79.7308**, and **14.4994, 21.2764, 18.6718** is the 20% darker color. If you saturate the color by 10%, you get **30.5214, 44.0097, 38.4501**, and if you desaturate by 10%, it is **37.1737, 47.2774, 46.0712**.

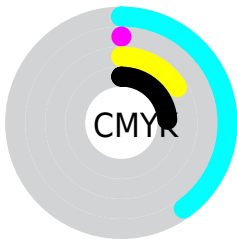
Distribution



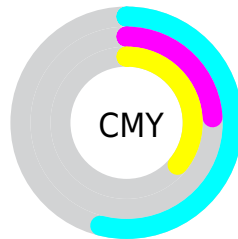
- Red (46%)
- Green (76%)
- Blue (64%)



- Red (46%)
- Yellow (65%)
- Blue (76%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (24%)



- Cyan (54%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5521, 45.4925, 42.1345 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 33.5521, 45.4925, 42.1345 by changing the saturation by 10% instead.

■ 33.5521, 45.4925,
42.1345

■ 33.5521, 45.4925,
42.1345

309.7514,
368.7646, 370.8563

■ 22.7110, 31.8455,
28.8803

■ 64.5855, 83.4590,
79.6754

■ 14.4998, 21.2435,
18.7455

■ 85.5084, 108.5473,
104.7992

■ 8.5531, 13.3021,
11.3116

■ 110.5227,
138.2181, 134.7166

■ 4.5056, 7.6369,
6.1600

139.9937,
172.8559, 169.8461

■ 1.9920, 3.8635,
2.8723

174.2867,
212.8451, 210.6063

■ 0.6294, 1.5975,
1.0298

213.7671,

■ 0.0000, 0.3559,

258.5699, 257.4157

0.0000

258.8002,
310.4150, 310.6928

■ 0.0000, 0.0000,
0.0000

■ 33.5521, 45.4925,
42.1345

■ 33.5521, 45.4925,
42.1345

■ 30.5214, 44.0097,
38.4501

■ 37.1737, 47.2774,
46.0712

■ 28.0430, 42.8057,
35.0094

■ 41.4145, 49.3752,
50.2624

■ 26.0793, 41.8622,
31.8075


■ 46.3051, 51.8029,
54.7144


■ 24.5863, 41.1567,
28.8383


■ 51.8734, 54.5748,
59.4320


■ 23.5120, 40.6625,
26.0949


■ 58.1451, 57.7041,
64.4200


 22.7562, 40.3280,
23.5683

 65.1450, 61.2034,
69.6830

 22.7562, 40.3280,
23.5683

 72.8964, 65.0848,
75.2256

 74.4842, 65.7832,
80.7275

 75.5723, 66.2184,
86.4570

Harmonies

Analogous

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



35.9468, 45.4925, 30.7637



33.5521, 45.4925, 42.1345



33.5918, 45.4925, 58.3095

Triad

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



33.5521, 45.4925, 42.1345



46.2038, 45.4925, 85.9756



51.3128, 45.4925, 30.4971

Complementary

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



33.5521, 45.4925, 42.1345



34.2139, 26.4640, 31.3236

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.



54.5768, 45.4925, 41.6856



33.5521, 45.4925, 42.1345



51.4567, 45.4925, 74.7090

Square

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



33.5521, 45.4925, 42.1345



40.5720, 45.4925, 86.1699



54.6317, 45.4925, 57.7519



46.0209, 45.4925, 25.1067

Rectangle

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



33.5521, 45.4925, 42.1345



34.9821, 45.4925, 69.8748



54.6317, 45.4925, 57.7519



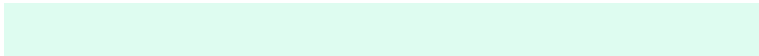
52.7031, 45.4925, 33.5812

Sweetspot

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



33.5534, 45.4943, 42.1355



80.9130, 91.7737, 96.2069



34.9764, 46.6311, 23.9876



17.4559, 19.9667, 20.8325



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.



33.5534, 45.4943, 42.1355



55.2881, 79.1244, 69.6664



35.0007, 43.3495, 58.1545



10.1935, 11.3585, 12.0224



14.8321, 26.2269, 15.5407



0.6741, 1.1465, 0.8464

Inverse Universe

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



34.2139, 26.4640, 31.3236



56.6421, 40.3582, 47.6840



33.0263, 27.5043, 20.3985



10.2353, 10.1427, 11.3297



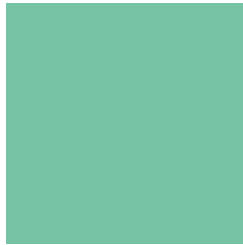
15.5487, 7.9092, 5.5355



0.7058, 0.3553, 0.4181

Previews

White Background



This preview shows how the XYZ color 33.5521, 45.4925, 42.1345 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 33.5521, 45.4925, 42.1345 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 33.5521, 45.4925, 42.1345

Background



This preview shows how black text looks on a background with the XYZ color 33.5521, 45.4925, 42.1345.



This preview shows how white text looks on a background with the XYZ color 33.5521, 45.4925,

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

33.5521, 45.4925, 42.1345

Protanopia

42.3303, 44.7721, 37.4212

Deuteranopia

45.9244, 45.0311, 43.8075



Tritanopia

37.9694, 45.3150, 64.5031

Trichromacy



Original Color

33.5521, 45.4925, 42.1345

Protanomaly

38.2123, 44.4310, 38.9098

Deuteranomaly

40.0765, 44.3838, 43.0139

Tritanomaly

36.0934, 45.1903, 55.5355

Monochromacy



Original Color

33.5521, 45.4925, 42.1345

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.2899, 41.0204, 42.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5521, 45.4925, 42.1345 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(117, 195, 164)` looks like.

```
.text, #text, p{  
    color:rgb(117, 195, 164)  
}
```

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(117, 195, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 195, 164) }
```

Border

The CSS property to change the border of an element to XYZ 33.5521, 45.4925, 42.1345 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(117, 195, 164) }
```


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

```
.border{ border-color:rgb(117, 195, 164) }
```

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

Here you see how a box with a 4 pixel rgb(117, 195, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 195, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 195, 164);  
box-shadow:4px 4px 4px 4px rgb(117, 195,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5521, 45.4925, 42.1345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 195, 164) }
```

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

```
.background{ background-color: rgb(117,  
195, 164) }
```

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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