

Converting Colors

XYZ(33.4632, 45.4817, 40.5994)

Have a look what the booklet for
XYZ(33.4632, 45.4817, 40.5994)
contains.

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Color

**XYZ(33.5559, 45.5254,
40.7369)**

Conversions

Conversions Part 1

Format	Color
Hex	77C3A1
RGB	119, 195, 161
RGB Percent	47%, 76%, 63%
CMY	0.5333, 0.2353, 0.3686
CMYK	0.39, 0.00, 0.17, 0.24
HSL	153°, 39%, 62%
HSV	153°, 39%, 76%
XYZ	33.5559, 45.5254, 40.7369
YIQ	168.4000, -34.3820, -26.6860

Conversions

Conversions Part 2

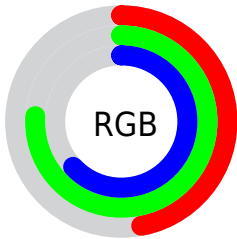
Format	Color
RYB	119, 168, 195
Decimal	7848865
CIELab	73.24, -31.26, 9.74
CIELCh	73, 32.739, 162.688
Yxy	45.5254, 0.2801, 0.3800
Android (android.graphics.Color)	4286038945 (0xFF77C3A1)
YUV	168.4000, -3.6482, -43.3238
Hunter-Lab	67.4725, -29.3040, 11.4341

Details

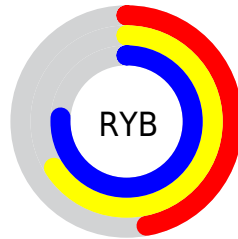
The XYZ color **33.5559, 45.5254, 40.7369** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.8538, 27.0968, 33.5320**, and the grayscale version is **37.4466, 39.3967, 42.9030**.

A 20% lighter version of the original color is **64.6606, 83.5773, 77.6898**, and **14.5320, 21.3121, 17.8157** is the 20% darker color. If you saturate the color by 10%, you get **30.4068, 43.9890, 36.7131**, and if you desaturate by 10%, it is **37.3103, 47.3701, 45.0712**.

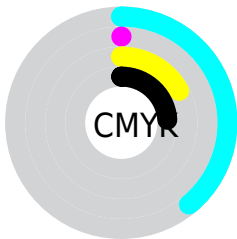
Distribution



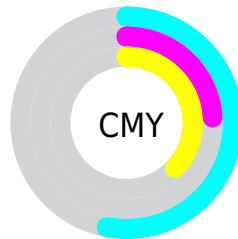
- Red (47%)
- Green (76%)
- Blue (63%)



- Red (47%)
- Yellow (66%)
- Blue (76%)



- Cyan (39%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)




- Cyan (53%)
- Magenta (24%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5559, 45.5254, 40.7369 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 33.5559, 45.5254, 40.7369 by changing the saturation by 10% instead.


 33.5559, 45.5254,
40.7369


 33.5559, 45.5254,
40.7369


309.7681,
368.8973, 364.8638


 22.7139, 31.8715,
27.7954


 64.5913, 83.5083,
77.5337

 14.5019, 21.2633,
17.9338


 85.5155, 108.6060,
102.2260

 8.5546, 13.3166,
10.7335


 110.5311,
138.2871, 131.6724

 4.5066, 7.6469,
5.7760

140.0035,
172.9360, 166.2914

 1.9925, 3.8699,
2.6428

174.2981,
212.9371, 206.5015

 0.6298, 1.6010,
0.9144

213.7801,

 0.0000, 0.3583,

258.6747, 252.7212

0.0000

258.8150,
310.5333, 305.3691

■ 0.0000, 0.0000,
0.0000

■ 33.5559, 45.5254,
40.7369

■ 33.5559, 45.5254,
40.7369

■ 30.4068, 43.9890,
36.7131

■ 37.3103, 47.3701,
45.0712

■ 27.8243, 42.7374,
32.9895

■ 41.6982, 49.5338,
49.7200

■ 25.7710, 41.7527,
29.5594

■ 46.7506, 52.0335,
54.6910

■ 24.2031, 41.0124,
26.4147

■ 52.4951, 54.8836,
59.9908

■ 23.0692, 40.4902,
23.5467

■ 58.9579, 58.0973,
65.6256

■ 22.2828, 40.1415,
20.9448

■ 66.1638, 61.6872,
71.6015

■ 22.2101, 40.1095,
20.6922

■ 73.9503, 65.5696,
77.9158

■ 75.1509, 66.0499,
84.2379

■ 76.4128, 66.5547,
90.8833

Harmonies

Analogous

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



36.2031, 45.5254, 29.7580



33.5559, 45.5254, 40.7369



33.3616, 45.5254, 56.8499

Triad

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



33.5559, 45.5254, 40.7369



45.7431, 45.5254, 87.2926



51.9109, 45.5254, 31.0611

Complementary

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



33.5559, 45.5254, 40.7369



34.8538, 27.0968, 33.5320

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.



54.9697, 45.5254, 42.9387



33.5559, 45.5254, 40.7369



51.2026, 45.5254, 76.6571

Square

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



33.5559, 45.5254, 40.7369



40.0652, 45.5254, 86.3327



54.6995, 45.5254, 59.5944



46.6424, 45.5254, 25.0807

Rectangle

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



33.5559, 45.5254, 40.7369



34.6216, 45.5254, 68.6986



54.6995, 45.5254, 59.5944



53.2517, 45.5254, 34.3683

Sweetspot

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



33.5571, 45.5273, 40.7379



80.6886, 91.6839, 95.0255



36.0210, 47.1559, 24.6569



17.4018, 19.9451, 20.5477



0.0000, 0.0000, 0.0000



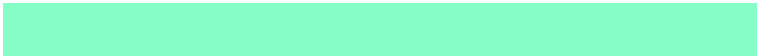
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5571, 45.5273, 40.7379



55.1028, 79.0962, 66.6193



36.1340, 45.2129, 58.4545



10.1721, 11.3499, 11.9098



14.4776, 26.0851, 13.6741



0.6598, 1.1408, 0.7715

Inverse Universe

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



34.8538, 27.0968, 33.5320



57.7623, 41.3569, 51.8856



32.8950, 27.0514, 20.9411



10.2563, 10.1511, 11.4401



15.7931, 8.0070, 6.8223



0.7170, 0.3598, 0.4773

Previews

White Background



This preview shows how the XYZ color 33.5559, 45.5254, 40.7369 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 33.5559, 45.5254, 40.7369 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

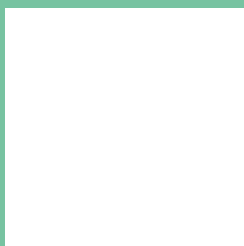
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5559, 45.5254, 40.7369

Background



This preview shows how black text looks on a background with the XYZ color 33.5559, 45.5254, 40.7369.



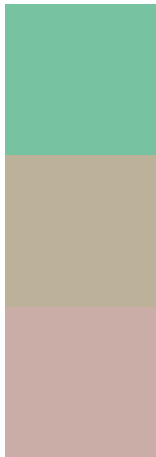
This preview shows how white text looks on a background with the XYZ color 33.5559, 45.5254,

40.7369.

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

33.5559, 45.5254, 40.7369

Protanopia

42.4092, 44.8321, 36.5552

Deuteranopia

45.9139, 45.0578, 42.3535



Tritanopia

38.1499, 45.4220, 63.8833

Trichromacy



Original Color

33.5559, 45.5254, 40.7369

Protanomaly

38.2455, 44.4678, 38.0199

Deuteranomaly

40.0193, 44.3860, 41.5801

Tritanomaly

36.1653, 45.2524, 54.4054

Monochromacy



Original Color

33.5559, 45.5254, 40.7369

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.2896, 41.0414, 41.6591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5559, 45.5254, 40.7369 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(119, 195, 161)` looks like.

```
.text, #text, p{  
    color:rgb(119, 195, 161)  
}
```

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(119, 195, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 195, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.5559, 45.5254, 40.7369 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(119, 195, 161) }
```


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

```
.border{ border-color:rgb(119, 195, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 195, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 195, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 195, 161);  
box-shadow:4px 4px 4px 4px rgb(119, 195,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5559, 45.5254, 40.7369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 195, 161) }
```

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

```
.background{ background-color: rgb(119,  
195, 161) }
```

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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