

Converting Colors

XYZ(39.2545, 54.2268, 45.4046)

Have a look what the booklet for
XYZ(39.2545, 54.2268, 45.4046)
contains.

XYZ(39.3638, 54.4261, 45.4764)	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(39.3638, 54.4261,
45.4764)**

Conversions

Conversions Part 1

Format	Color
Hex	7FD4A8
RGB	127, 212, 168
RGB Percent	50%, 83%, 66%
CMY	0.5020, 0.1686, 0.3412
CMYK	0.40, 0.00, 0.21, 0.17
HSL	149°, 50%, 66%
HSV	149°, 40%, 83%
XYZ	39.3638, 54.4261, 45.4764
YIQ	181.5690, -36.5360, -31.7040

Conversions

Conversions Part 2

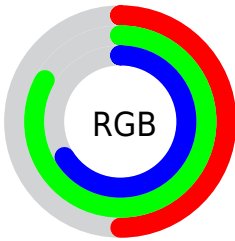
Format	Color
RYB	127, 184, 212
Decimal	8377512
CIELab	78.71, -35.53, 13.79
CIELCh	79, 38.117, 158.785
Yxy	54.4261, 0.2827, 0.3908
Android (android.graphics.Color)	4286567592 (0xFF7FD4A8)
YUV	181.5690, -6.6895, -47.8570
Hunter-Lab	73.7740, -33.8619, 15.0938

Details

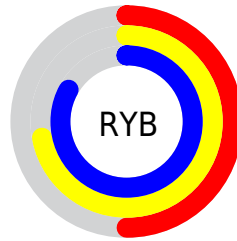
The XYZ color **39.3638, 54.4261, 45.4764** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.0933, 32.1175, 42.5111**, and the grayscale version is **44.2797, 46.5857, 50.7319**.

A 20% lighter version of the original color is **68.6077, 86.9150, 82.9723**, and **17.8818, 26.7526, 20.7443** is the 20% darker color. If you saturate the color by 10%, you get **35.5529, 52.5762, 40.1848**, and if you desaturate by 10%, it is **43.9282, 56.6574, 51.2561**.

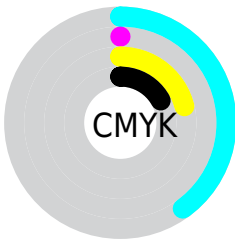
Distribution



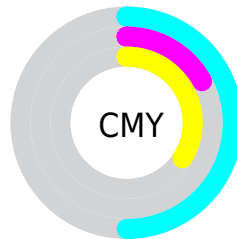
- Red (50%)
- Green (83%)
- Blue (66%)



- Red (50%)
- Yellow (72%)
- Blue (83%)



- Cyan (40%)
- Magenta (0%)
- Yellow (21%)
- Black (17%)





- Cyan (50%)
- Magenta (17%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3638, 54.4261, 45.4764 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 39.3638, 54.4261, 45.4764 by changing the saturation by 10% instead.

 39.3638, 54.4261,
45.4764


 39.3638, 54.4261,
45.4764


334.6153,
403.7328, 384.9158


 27.2249, 38.9424,
31.4872


 73.4843, 96.6996,
84.7608

 17.8796, 26.7149,
20.7085

 96.1965, 124.2582,
110.8931

 10.9628, 17.3593,
12.7219

 123.1639,
156.6106, 141.9102

 6.1089, 10.4910,
7.1089

154.7518,
194.1411, 178.2305

 2.9527, 5.7257,
3.4508

191.3255,
237.2342, 220.2728

 1.1288, 2.6790,
1.3292

233.2504,

 0.0490, 0.9665,

286.2743, 268.4553

0.0855

280.8919,
341.6456, 323.1968

■ 0.0000, 0.0000,
0.0000

■ 39.3638, 54.4261,
45.4764

■ 39.3638, 54.4261,
45.4764

■ 35.5529, 52.5762,
40.1848

■ 43.9282, 56.6574,
51.2561

■ 32.4471, 51.0786,
35.3646

■ 49.2822, 59.2841,
57.5327

■ 29.9987, 49.9104,
31.0030


■ 55.4646, 62.3275,
64.3197


■ 28.1522, 49.0432,
27.0855


■ 62.5105, 65.8053,
71.6286


■ 26.8416, 48.4435,
23.5966

■ 70.4526, 69.7343,
79.4706

 25.9555, 48.0533,
20.5446

 79.3222, 74.1303,
87.8566

 81.2391, 74.9307,
96.4270

 82.8344, 75.5689,
104.8281

Harmonies

Analogous

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



43.1742, 54.4261, 32.4412



39.3638, 54.4261, 45.4764



38.6909, 54.4261, 65.8275

Triad

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



39.3638, 54.4261, 45.4764



53.9752, 54.4261, 110.4615



63.8676, 54.4261, 36.8814

Complementary

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



39.3638, 54.4261, 45.4764



42.0933, 32.1175, 42.5111

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.



67.4127, 54.4261, 53.1460



39.3638, 54.4261, 45.4764



61.3483, 54.4261, 97.8523

Square

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



39.3638, 54.4261, 45.4764



46.6620, 54.4261, 106.9765



66.4485, 54.4261, 75.5821



57.1531, 54.4261, 28.3820

Rectangle

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



39.3638, 54.4261, 45.4764



40.0415, 54.4261, 81.5739



66.4485, 54.4261, 75.5821



65.4977, 54.4261, 41.4399

Sweetspot

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



39.3653, 54.4283, 45.4776



82.2282, 93.6727, 95.5317



44.4626, 57.4300, 28.8212



17.3265, 19.9150, 20.1513



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.



39.3653, 54.4283, 45.4776



54.8442, 80.2638, 62.2610



43.8270, 56.2130, 68.9726



12.5094, 13.9948, 14.4971



16.0731, 29.6846, 12.9467



1.0112, 1.8071, 1.0006

Inverse Universe

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



42.0933, 32.1175, 42.5111



59.5323, 41.9095, 57.1535



38.7604, 30.7843, 24.9605



12.6890, 12.5271, 14.3025



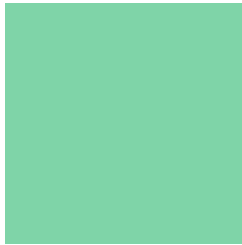
18.5418, 9.3530, 10.1570



1.1601, 0.5808, 0.8325

Previews

White Background



This preview shows how the XYZ color 39.3638, 54.4261, 45.4764 looks on a white background.

Color Contrast Check

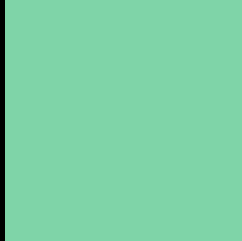
Large Text (above 18pt) WCAG AA × Fail

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 39.3638, 54.4261, 45.4764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

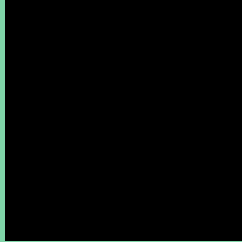
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3638, 54.4261, 45.4764

Background



This preview shows how black text looks on a background with the XYZ color 39.3638, 54.4261, 45.4764.

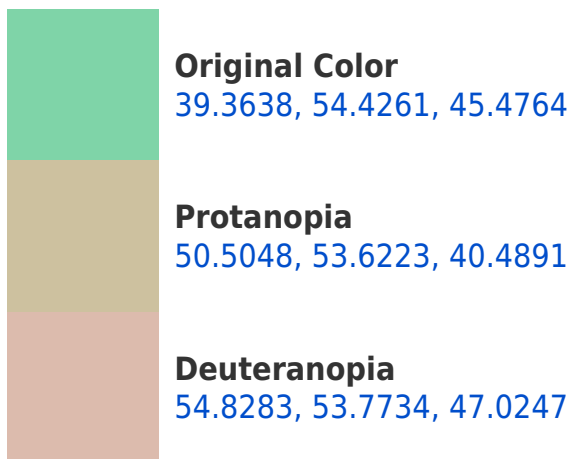


This preview shows how white text looks on a background with the XYZ color 39.3638, 54.4261,

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





Tritanopia

45.5299, 54.3721, 76.5018

Trichromacy



Original Color

39.3638, 54.4261, 45.4764



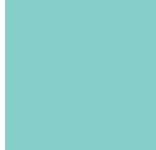
Protanomaly

45.3073, 53.2643, 42.0755



Deuteranomaly

47.3403, 52.8592, 46.2358



Tritanomaly

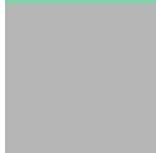
43.2082, 54.5269, 64.1245

Monochromacy



Original Color

39.3638, 54.4261, 45.4764



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.9061, 48.9956, 48.8434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3638, 54.4261, 45.4764 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(127, 212, 168)` looks like.

```
.text, #text, p{  
    color:rgb(127, 212, 168)  
}
```

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(127, 212, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 212, 168) }
```

Border

The CSS property to change the border of an element to XYZ 39.3638, 54.4261, 45.4764 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(127, 212, 168) }
```


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

```
.border{ border-color:rgb(127, 212, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 212, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 212, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 212, 168); box-shadow:4px 4px 4px 4px rgb(127, 212, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3638, 54.4261, 45.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 212, 168) }
```

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

```
.background{ background-color: rgb(127,  
212, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor