

Converting Colors

XYZ(39.0491, 62.5796, 48.6060)

Have a look what the booklet for
XYZ(39.0491, 62.5796, 48.6060)
contains.

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Color

**XYZ(39.0154, 62.5202,
48.5394)**

Conversions

Conversions Part 1

Format	Color
Hex	46E9AB
RGB	70, 233, 171
RGB Percent	27%, 91%, 67%
CMY	0.7255, 0.0863, 0.3294
CMYK	0.70, 0.00, 0.27, 0.09
HSL	157°, 79%, 59%
HSV	157°, 70%, 91%
XYZ	39.0154, 62.5202, 48.5394
YIQ	177.1950, -77.2460, -53.8380

Conversions

Conversions Part 2

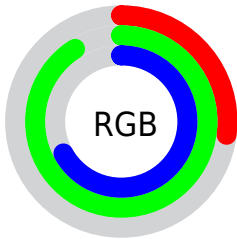
Format	Color
RYB	70, 171, 233
Decimal	4647339
CIELab	83.19, -55.95, 18.23
CIELCh	83, 58.842, 161.949
Yxy	62.5202, 0.2600, 0.4166
Android (android.graphics.Color)	4282837419 (0xFF46E9AB)
YUV	177.1950, -3.0541, -94.0100
Hunter-Lab	79.0697, -50.2947, 18.9518

Details

The XYZ color **39.0154, 62.5202, 48.5394** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **39.9614, 23.3714, 24.2372**, and the grayscale version is **41.9387, 44.1228, 48.0497**.

A 20% lighter version of the original color is **59.8040, 82.3294, 84.6907**, and **18.8551, 32.3826, 22.7095** is the 20% darker color. If you saturate the color by 10%, you get **36.8327, 61.4910, 44.1750**, and if you desaturate by 10%, it is **41.9097, 63.9130, 53.2356**.

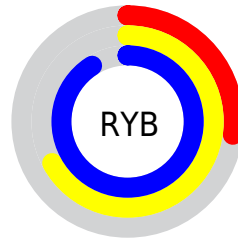
Distribution



Red (27%)

Green (91%)

Blue (67%)



Red (27%)

Yellow (67%)

Blue (91%)

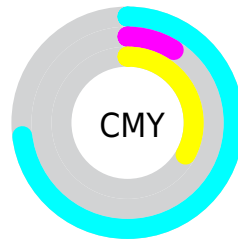


Cyan (70%)

Magenta (0%)

Yellow (27%)

Black (9%)



Cyan (73%)


Magenta (9%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0154, 62.5202, 48.5394 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 39.0154, 62.5202, 48.5394 by changing the saturation by 10% instead.


 39.0154, 62.5202,
48.5394


 39.0154, 62.5202,
48.5394

333.1620,
433.8261, 397.4964


 26.9525, 45.4532,
33.8912


 72.9558, 108.4770,
89.3809


 17.6739, 31.8145,
22.5334


 95.5639, 138.1356,
116.4112

 10.8144, 21.2199,
14.0473


 122.4179,
172.7601, 148.4061

 6.0086, 13.2848,
8.0144

 153.8830,
212.7350, 185.7840

 2.8910, 7.6250,
4.0163

190.3246,
258.4447, 228.9634

 1.0964, 3.8559,
1.6343

232.1081,

 0.0221, 1.5933,

310.2735, 278.3629

0.3151

279.5987,
368.6058, 334.4011

■ 0.0000, 0.3531,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.0154, 62.5202,
48.5394

■ 39.0154, 62.5202,
48.5394

■ 36.8327, 61.4910,
44.1750

■ 41.9097, 63.9130,
53.2356

■ 35.2753, 60.7761,
40.1285

■ 45.5791, 65.6970,
58.2681


■ 34.2070, 60.3070,
36.3889


■ 50.0854, 67.9057,
63.6466


■ 34.2027, 60.3051,
36.3729


■ 55.4825, 70.5668,
69.3788

 61.8197, 73.7054,
75.4723

 69.1426, 77.3451,
81.9343

 77.4937, 81.5075,
88.7715

 86.3930, 85.9452,
95.9665

 87.7563, 86.4906,
103.1455

Harmonies

Analogous

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



44.4853, 62.5202, 28.0461



39.0154, 62.5202, 48.5394



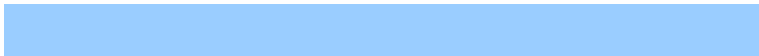
38.5070, 62.5202, 83.6827

Triad

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



39.0154, 62.5202, 48.5394



64.6494, 62.5202, 162.5553



79.6030, 62.5202, 31.0779

Complementary

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



39.0154, 62.5202, 48.5394



39.9614, 23.3714, 24.2372

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.



86.8042, 62.5202, 54.5377



39.0154, 62.5202, 48.5394



77.3797, 62.5202, 134.8486

Square

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



39.0154, 62.5202, 48.5394



52.1406, 62.5202, 159.1209



85.9368, 62.5202, 92.2511



67.3550, 62.5202, 20.7377

Rectangle

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



39.0154, 62.5202, 48.5394



40.9415, 62.5202, 112.4370



85.9368, 62.5202, 92.2511



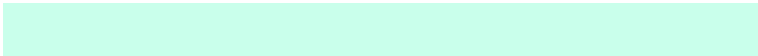
82.7680, 62.5202, 37.2503

Sweetspot

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



39.0171, 62.5227, 48.5408



74.9106, 89.9768, 91.7368



39.8379, 63.6673, 15.9845



15.5548, 19.0212, 19.1848



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.



39.0171, 62.5227, 48.5408



44.2600, 75.0247, 51.9491



41.2781, 55.2725, 85.5868



15.2607, 17.0191, 18.0557



19.4688, 34.2420, 20.9657



1.5754, 2.7075, 1.8917

Inverse Universe

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



39.9614, 23.3714, 24.2372



45.5561, 24.2441, 20.7812



38.2854, 24.9149, 8.5864



15.3025, 15.1489, 16.8784



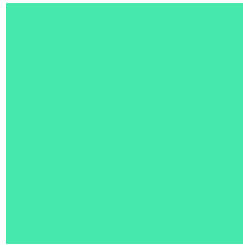
20.1379, 10.2578, 6.5274



1.6269, 0.8237, 0.7524

Previews

White Background



This preview shows how the XYZ color 39.0154, 62.5202, 48.5394 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 39.0154, 62.5202, 48.5394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

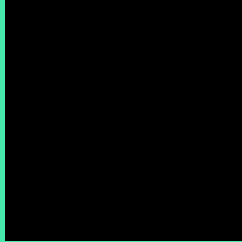
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

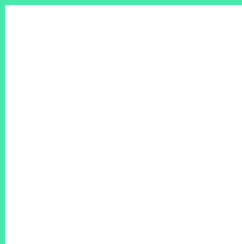
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.0154, 62.5202, 48.5394

Background



This preview shows how black text looks on a background with the XYZ color 39.0154, 62.5202, 48.5394.

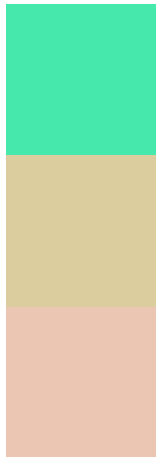


This preview shows how white text looks on a background with the XYZ color 39.0154, 62.5202,

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

39.0154, 62.5202, 48.5394

Protanopia

57.2163, 61.1913, 41.1432

Deuteranopia

62.5917, 61.3050, 51.1819



Tritanopia

47.9382, 62.4314, 93.5283

Trichromacy



Original Color

39.0154, 62.5202, 48.5394



Protanomaly

46.4283, 59.2446, 43.6386



Deuteranomaly

48.8099, 58.8371, 49.8584



Tritanomaly

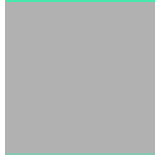
43.9836, 62.0199, 74.6186

Monochromacy



Original Color

39.0154, 62.5202, 48.5394



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.1853, 48.4309, 47.8930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0154, 62.5202, 48.5394 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(70, 233, 171)` looks like.

```
.text, #text, p{  
    color:rgb(70, 233, 171)  
}
```

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(70, 233, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 233, 171) }
```

Border

The CSS property to change the border of an element to XYZ 39.0154, 62.5202, 48.5394 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(70, 233, 171) }
```


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

```
.border{ border-color:rgb(70, 233, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 233, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 233, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 233, 171);  
box-shadow:4px 4px 4px 4px rgb(70, 233,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0154, 62.5202, 48.5394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 233, 171) }
```

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

```
.background{ background-color: rgb(70, 233,  
171) }
```

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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