

Converting Colors

XYZ(39.4170, 56.0109, 43.8383)

Have a look what the booklet for
XYZ(39.4170, 56.0109, 43.8383)
contains.

XYZ(39.4251, 56.0030, 43.8537)	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(39.4251, 56.0030,
43.8537)**

Conversions

Conversions Part 1

Format	Color
Hex	7BD8A4
RGB	123, 216, 164
RGB Percent	48%, 85%, 64%
CMY	0.5176, 0.1529, 0.3569
CMYK	0.43, 0.00, 0.24, 0.15
HSL	146°, 54%, 66%
HSV	146°, 43%, 85%
XYZ	39.4251, 56.0030, 43.8537
YIQ	182.2650, -38.7360, -35.8880

Conversions

Conversions Part 2

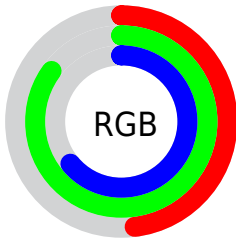
Format	Color
RYB	123, 188, 216
Decimal	8116388
CIELab	79.62, -39.25, 17.15
CIELCh	80, 42.831, 156.389
Yxy	56.0030, 0.2831, 0.4021
Android (android.graphics.Color)	4286306468 (0xFF7BD8A4)
YUV	182.2650, -9.0046, -51.9754
Hunter-Lab	74.8352, -36.9231, 17.6404

Details

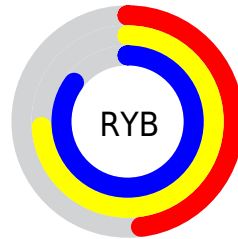
The XYZ color **39.4251, 56.0030, 43.8537** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.1416, 31.8613, 44.4357**, and the grayscale version is **44.6718, 46.9982, 51.1810**.

A 20% lighter version of the original color is **67.1366, 86.2182, 80.1211**, and **17.9842, 27.8529, 19.7575** is the 20% darker color. If you saturate the color by 10%, you get **35.6301, 54.1682, 38.2508**, and if you desaturate by 10%, it is **44.0084, 58.2352, 50.0367**.

Distribution



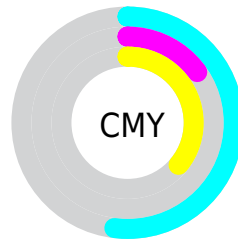
- Red (48%)
- Green (85%)
- Blue (64%)



- Red (48%)
- Yellow (74%)
- Blue (85%)



- Cyan (43%)
- Magenta (0%)
- Yellow (24%)
- Black (15%)





- Cyan (52%)
- Magenta (15%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4251, 56.0030, 43.8537 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 39.4251, 56.0030, 43.8537 by changing the saturation by 10% instead.


 39.4251, 56.0030,
43.8537


 39.4251, 56.0030,
43.8537

334.8706,
409.7028, 378.1348


 27.2728, 40.2053,
30.2192


 73.5772, 99.0090,
82.2977

 17.9159, 27.6987,
19.7515


 96.3077, 126.9860,
107.9442

 10.9889, 18.0986,
12.0323


 123.2950,
159.7917, 138.4318

 6.1266, 11.0208,
6.6429

154.9044,
197.8104, 174.1790

 2.9636, 6.0808,
3.1647

191.5013,
241.4264, 215.6044

 1.1346, 2.8943,
1.1794

233.4511,

 0.0537, 1.0768,

291.0243, 263.1264

0.0000

281.1191,
346.9882, 317.1637

■ 0.0000, 0.0000,
0.0000

■ 39.4251, 56.0030,
43.8537

■ 39.4251, 56.0030,
43.8537

■ 35.6301, 54.1682,
38.2508

■ 44.0084, 58.2352,
50.0367

■ 32.5707, 52.6995,
33.2069

■ 49.4195, 60.8804,
56.8125

■ 30.1946, 51.5718,
28.7051


■ 55.7004, 63.9613,
64.1981


■ 28.4400, 50.7535,
24.7262


■ 62.8891, 67.4974,
72.2086


■ 27.2329, 50.2069,
21.2493

■ 71.0210, 71.5065,
80.8586

 26.6327, 49.9441,
19.1167

 80.1297, 76.0057,
90.1621

 82.8252, 77.1851,
99.7855

 83.8469, 77.5938,
105.1656

Harmonies

Analogous

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



43.9783, 56.0030, 30.1616



39.4251, 56.0030, 43.8537



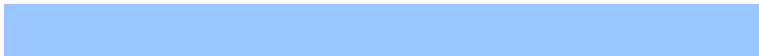
38.3815, 56.0030, 66.4208

Triad

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



39.4251, 56.0030, 43.8537



55.0973, 56.0030, 121.4555



67.7374, 56.0030, 36.9040

Complementary

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



39.4251, 56.0030, 43.8537



43.1416, 31.8613, 44.4357

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.



71.4834, 56.0030, 55.8405



39.4251, 56.0030, 43.8537



63.6941, 56.0030, 107.7983

Square

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



39.4251, 56.0030, 43.8537



46.8551, 56.0030, 115.7169



69.9292, 56.0030, 82.0637



60.1566, 56.0030, 26.9733

Rectangle

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



39.4251, 56.0030, 43.8537



39.7041, 56.0030, 84.6353



69.9292, 56.0030, 82.0637



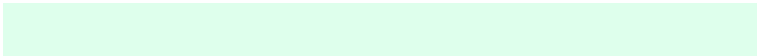
69.5222, 56.0030, 42.1989

Sweetspot

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



39.4266, 56.0053, 43.8550



81.0461, 93.1091, 93.4111



45.9696, 59.7394, 27.8476



16.8874, 19.7034, 19.4645



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.



39.4266, 56.0053, 43.8550



52.1686, 79.0171, 56.1412



44.3340, 57.9683, 69.6971



12.4876, 13.9860, 14.3820



15.8155, 29.5816, 11.5902



0.9951, 1.8007, 0.9162

Inverse Universe

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



43.1416, 31.8613, 44.4357



58.2746, 39.2878, 57.0614



39.3792, 30.3564, 24.6233



12.7111, 12.5359, 14.4187



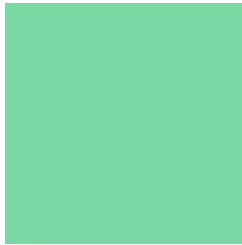
18.8517, 9.4770, 11.7891



1.1784, 0.5881, 0.9287

Previews

White Background



This preview shows how the XYZ color 39.4251, 56.0030, 43.8537 looks on a white background.

Color Contrast Check

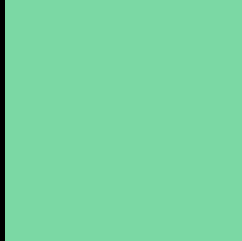
Large Text (above 18pt) WCAG AA × Fail

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 39.4251, 56.0030, 43.8537 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

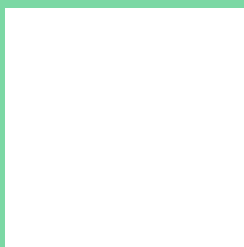
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4251, 56.0030, 43.8537

Background



This preview shows how black text looks on a background with the XYZ color 39.4251, 56.0030, 43.8537.

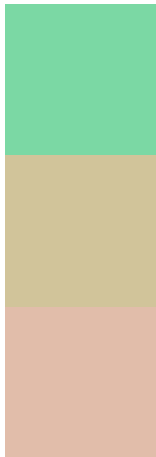


This preview shows how white text looks on a background with the XYZ color 39.4251, 56.0030,

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

39.4251, 56.0030, 43.8537

Protanopia

51.8672, 55.3683, 38.5253

Deuteranopia

56.5046, 55.3050, 45.7270



Tritanopia

46.4630, 55.8664, 79.5686

Trichromacy



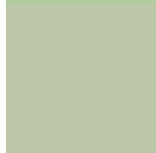
Original Color

39.4251, 56.0030, 43.8537



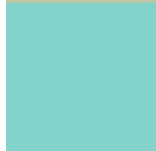
Protanomaly

45.8876, 54.6455, 40.4768



Deuteranomaly

48.2303, 54.3654, 44.9973



Tritanomaly

43.5895, 55.8059, 64.9741

Monochromacy



Original Color

39.4251, 56.0030, 43.8537



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.7276, 49.2558, 47.8655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4251, 56.0030, 43.8537 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(123, 216, 164)` looks like.

```
.text, #text, p{  
    color:rgb(123, 216, 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(123, 216, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 216, 164) }
```

Border

The CSS property to change the border of an element to XYZ 39.4251, 56.0030, 43.8537 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(123, 216, 164) }
```


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

```
.border{ border-color:rgb(123, 216, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 216, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 216, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 216, 164);  
box-shadow:4px 4px 4px 4px rgb(123, 216,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4251, 56.0030, 43.8537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 216, 164) }
```

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

```
.background{ background-color: rgb(123,  
216, 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](#).

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