

Converting Colors

XYZ(39.8775, 59.3045, 43.8935)

Have a look what the booklet for
XYZ(39.8775, 59.3045, 43.8935)
contains.

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Color

**XYZ(39.9486, 59.4004,
44.0102)**

Conversions

Conversions Part 1

Format	Color
Hex	70E0A3
RGB	112, 224, 163
RGB Percent	44%, 88%, 64%
CMY	0.5608, 0.1216, 0.3608
CMYK	0.50, 0.00, 0.27, 0.12
HSL	147°, 64%, 66%
HSV	147°, 50%, 88%
XYZ	39.9486, 59.4004, 44.0102
YIQ	183.5580, -47.1710, -42.7150

Conversions

Conversions Part 2

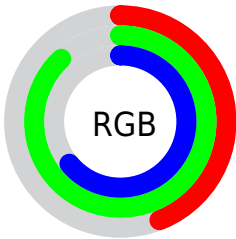
Format	Color
RYB	112, 189, 224
Decimal	7397539
CIELab	81.51, -45.77, 20.25
CIELCh	82, 50.051, 156.138
Yxy	59.4004, 0.2787, 0.4143
Android (android.graphics.Color)	4285587619 (0xFF70E0A3)
YUV	183.5580, -10.1351, -62.7564
Hunter-Lab	77.0717, -42.3534, 20.0938

Details

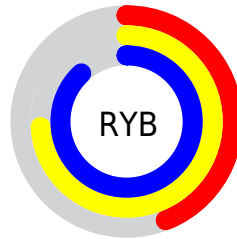
The XYZ color **39.9486, 59.4004, 44.0102** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.0794, 30.4541, 43.0924**, and the grayscale version is **45.3902, 47.7541, 52.0042**.

A 20% lighter version of the original color is **64.9925, 85.1280, 79.3356**, and **18.2371, 29.8568, 19.8407** is the 20% darker color. If you saturate the color by 10%, you get **36.4044, 57.6952, 38.4113**, and if you desaturate by 10%, it is **44.3104, 61.5181, 50.2005**.

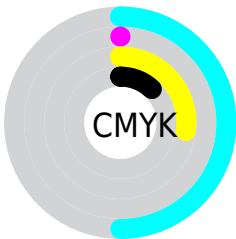
Distribution



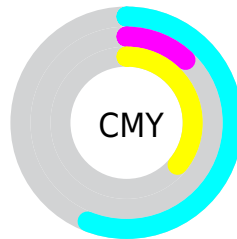
- Red (44%)
- Green (88%)
- Blue (64%)



- Red (44%)
- Yellow (74%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)



- Cyan (56%)
- Magenta (12%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9486, 59.4004, 44.0102 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 39.9486, 59.4004, 44.0102 by changing the saturation by 10% instead.

■ 39.9486, 59.4004,
44.0102

■ 39.9486, 59.4004,
44.0102

337.0450,
422.3841, 378.7925

■ 27.6825, 42.9355,
30.3413

■ 74.3701, 103.9594,
82.5357

■ 18.2257, 29.8345,
19.8435

■ 97.2562, 132.8223,
108.2294

■ 11.2128, 19.7130,
12.0984

■ 124.4130,
166.5866, 138.7684

■ 6.2785, 12.1866,
6.6874

156.2058,
205.6368, 174.5713

■ 3.0574, 6.8709,
3.1919

193.0001,
250.3573, 216.0566

■ 1.1842, 3.3815,
1.1934

235.1612,

■ 0.0938, 1.3340,

301.1324, 263.6429

0.0000

283.0543,
358.3465, 317.7487

■ 0.0000, 0.1673,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9486, 59.4004,
44.0102

■ 39.9486, 59.4004,
44.0102

■ 36.4044, 57.6952,
38.4113

■ 44.3104, 61.5181,
50.2005

■ 33.6164, 56.3664,
33.3816


■ 49.5358, 64.0670,
56.9955


■ 31.5220, 55.3836,
28.9032


■ 55.6733, 67.0731,
64.4129


■ 30.0452, 54.7081,
24.9556


■ 62.7658, 70.5585,
72.4687

 29.0550, 54.2728,
21.5146

 70.8537, 74.5435,
81.1780

 29.0550, 54.2728,
21.5146

 79.9750, 79.0477,
90.5555

 84.9030, 81.3760,
100.3691

 85.9468, 81.7935,
105.8656

Harmonies

Analogous

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



45.3795, 59.4004, 28.3435



39.9486, 59.4004, 44.0102



38.6849, 59.4004, 71.0516

Triad

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



39.9486, 59.4004, 44.0102



58.6424, 59.4004, 140.7880



74.3642, 59.4004, 36.2424

Complementary

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



39.9486, 59.4004, 44.0102



44.0794, 30.4541, 43.0924

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.



78.9805, 59.4004, 58.6954



39.9486, 59.4004, 44.0102



69.2078, 59.4004, 123.4428

Square

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



39.9486, 59.4004, 44.0102



48.6856, 59.4004, 133.1915



76.9856, 59.4004, 90.9723



65.0171, 59.4004, 24.9275

Rectangle

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



39.9486, 59.4004, 44.0102



40.2180, 59.4004, 93.6071



76.9856, 59.4004, 90.9723



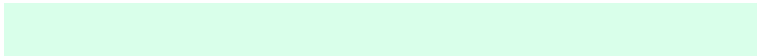
76.5701, 59.4004, 42.4215

Sweetspot

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



39.9502, 59.4028, 44.0116



79.1763, 92.1835, 91.5879



46.9488, 63.4366, 25.0999



16.5216, 19.5221, 19.1171



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.



39.9502, 59.4028, 44.0116



48.6540, 77.3106, 51.2209



46.0470, 61.8415, 76.1169



13.7870, 15.4405, 15.9136



16.9679, 31.6120, 12.8198



1.2209, 2.2091, 1.1242

Inverse Universe

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



44.0794, 30.4541, 43.0924



54.7834, 34.2796, 49.8121



39.7826, 28.7354, 20.4656



14.0179, 13.8248, 15.8647



19.9968, 10.0657, 11.9147



1.4311, 0.7157, 1.0629

Previews

White Background



This preview shows how the XYZ color 39.9486, 59.4004, 44.0102 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 39.9486, 59.4004, 44.0102 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 39.9486, 59.4004, 44.0102

Background



This preview shows how black text looks on a background with the XYZ color 39.9486, 59.4004, 44.0102.

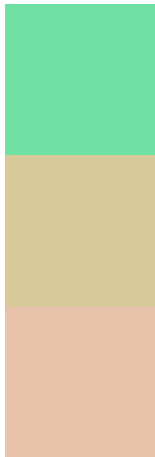


This preview shows how white text looks on a background with the XYZ color 39.9486, 59.4004,

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

39.9486, 59.4004, 44.0102

Protanopia

54.5785, 58.4874, 38.1184

Deuteranopia

59.8262, 58.6417, 46.1960



Tritanopia

48.0718, 59.1729, 85.2318

Trichromacy



Original Color

39.9486, 59.4004, 44.0102



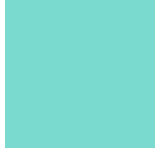
Protanomaly

47.1613, 57.4662, 40.0589



Deuteranomaly

49.5454, 57.1440, 44.9778



Tritanomaly

44.5023, 58.8588, 68.0468

Monochromacy



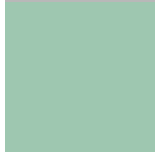
Original Color

39.9486, 59.4004, 44.0102



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.3604, 51.2505, 48.7340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9486, 59.4004, 44.0102 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(112, 224, 163)` looks like.

```
.text, #text, p{  
    color:rgb(112, 224, 163)  
}
```

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(112, 224, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 224, 163) }
```

Border

The CSS property to change the border of an element to XYZ 39.9486, 59.4004, 44.0102 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(112, 224, 163) }
```


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

```
.border{ border-color:rgb(112, 224, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 224, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 224, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 224, 163); box-shadow:4px 4px 4px 4px rgb(112, 224, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9486, 59.4004, 44.0102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 224, 163) }
```

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

```
.background{ background-color: rgb(112,  
224, 163) }
```

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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