

Converting Colors

XYZ(39.4605, 60.0040, 43.8453)

Have a look what the booklet for
XYZ(39.4605, 60.0040, 43.8453)
contains.

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Color

**XYZ(39.4269, 59.9444,
43.6748)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 68E2A2 |
| RGB | 104, 226, 162 |
| RGB Percent | 41%, 89%, 64% |
| CMY | 0.5921, 0.1137, 0.3647 |
| CMYK | 0.54, 0.00, 0.28, 0.11 |
| HSL | 149°, 68%, 65% |
| HSV | 149°, 54%, 89% |
| XYZ | 39.4269, 59.9444, 43.6748 |
| YIQ | 182.2260, -52.1680, -45.7680 |

Conversions

Conversions Part 2

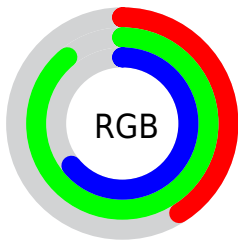
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 104, 187, 226 |
| Decimal | 6873762 |
| CIELab | 81.81, -48.69, 21.14 |
| CIElCh | 82, 53.079, 156.534 |
| Yxy | 59.9444, 0.2756, 0.4191 |
| Android (android.graphics.Color) | 4285063842 (0xFF68E2A2) |
| YUV | 182.2260, -9.9714, -68.6042 |
| Hunter-Lab | 77.4238, -44.5931, 20.7511 |

Details

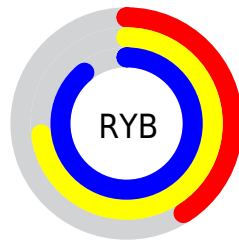
The XYZ color **39.4269, 59.9444, 43.6748** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **43.3843, 28.8980, 40.3395**, and the grayscale version is **44.6610, 46.9868, 51.1687**.

A 20% lighter version of the original color is **63.3886, 84.3163, 78.5794**, and **17.9521, 30.2686, 19.6481** is the 20% darker color. If you saturate the color by 10%, you get **36.1422, 58.3688, 38.2772**, and if you desaturate by 10%, it is **43.5171, 61.9270, 49.6315**.

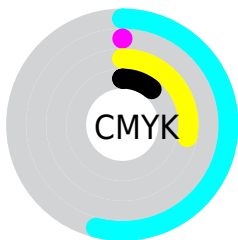
Distribution



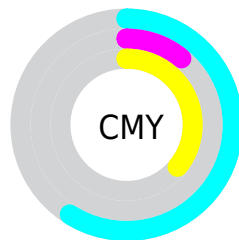
- Red (41%)
- Green (89%)
- Blue (64%)



- Red (41%)
- Yellow (73%)
- Blue (89%)



- Cyan (54%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)




- Cyan (59%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4269, 59.9444, 43.6748 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 39.4269, 59.9444, 43.6748 by changing the saturation by 10% instead.


 39.4269, 59.9444,
43.6748


 39.4269, 59.9444,
43.6748


334.8781,
424.3928, 377.3820


 27.2742, 43.3738,
30.0796


 73.5799, 104.7490,
82.0254


 17.9169, 30.1785,
19.6465


 96.3110, 133.7518,
107.6179

 10.9897, 19.9741,
11.9568

 123.2988,
167.6675, 138.0467

 6.1271, 12.3762,
6.5921

 154.9089,
206.8805, 173.7301

 2.9639, 7.0005,
3.1338

191.5065,
251.7751, 215.0868

 1.1347, 3.4624,
1.1633

233.4570,

 0.0539, 1.3776,

302.7357, 262.5353

0.0000

281.1257,
360.1469, 316.4942

■ 0.0000, 0.2002,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4269, 59.9444,
43.6748

■ 39.4269, 59.9444,
43.6748

■ 36.1422, 58.3688,
38.2772

■ 43.5171, 61.9270,
49.6315

■ 33.5978, 57.1620,
33.4174


■ 48.4617, 64.3367,
56.1594


■ 31.7260, 56.2912,
29.0788

■ 54.3113, 67.2008,
63.2754


■ 30.4427, 55.7132,
25.2416

■ 61.1112, 70.5425,
70.9943

 29.8746, 55.4657,
23.1635

 68.9031, 74.3829,
79.3303

 77.7267, 78.7423,
88.2974

 84.9182, 82.2472,
97.7823

 86.4874, 82.8749,
106.0458

Harmonies

Analogous

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



45.1004, 59.9444, 27.2162



39.4269, 59.9444, 43.6748



38.1578, 59.9444, 72.5373

Triad

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



39.4269, 59.9444, 43.6748



59.4596, 59.9444, 147.6456



76.0752, 59.9444, 35.0246

Complementary

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



39.4269, 59.9444, 43.6748



43.3843, 28.8980, 40.3395

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.



81.1418, 59.9444, 58.5037



39.4269, 59.9444, 43.6748



70.7707, 59.9444, 128.3713

Square

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



39.4269, 59.9444, 43.6748



48.8285, 59.9444, 139.6992



79.0836, 59.9444, 93.0158



65.9815, 59.9444, 23.4862

Rectangle

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



39.4269, 59.9444, 43.6748



39.8092, 59.9444, 96.8557



79.0836, 59.9444, 93.0158



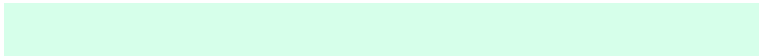
78.4790, 59.9444, 41.4260

Sweetspot

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



39.4285, 59.9468, 43.6762



78.3433, 91.7636, 91.1211



46.0735, 63.8372, 22.9910



16.3618, 19.4411, 19.0470



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.



39.4285, 59.9468, 43.6762



46.9761, 76.4851, 49.3561



46.0831, 62.6087, 78.7190



13.7987, 15.4452, 15.9754



17.1019, 31.6656, 13.5258



1.2304, 2.2129, 1.1746

Inverse Universe

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



43.3843, 28.8980, 40.3395



52.6898, 31.5891, 44.4998



39.0264, 27.1548, 17.3913



14.0061, 13.8201, 15.8023



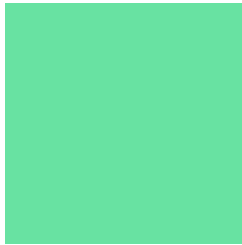
19.8383, 10.0023, 11.0800



1.4203, 0.7114, 1.0059

Previews

White Background



This preview shows how the XYZ color 39.4269, 59.9444, 43.6748 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 39.4269, 59.9444, 43.6748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

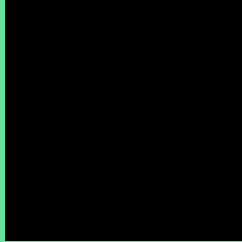
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4269, 59.9444, 43.6748

Background



This preview shows how black text looks on a background with the XYZ color 39.4269, 59.9444, 43.6748.



This preview shows how white text looks on a background with the XYZ color 39.4269, 59.9444,

43.6748.

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

39.4269, 59.9444, 43.6748

Protanopia

55.0253, 59.0744, 37.7805

Deuteranopia

60.0575, 58.7718, 45.7148



Tritanopia

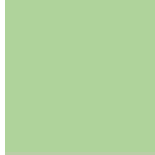
48.1216, 59.9262, 86.8725

Trichromacy



Original Color

39.4269, 59.9444, 43.6748



Protanomaly

46.8899, 58.0690, 39.7474



Deuteranomaly

49.2039, 57.3349, 44.5498



Tritanomaly

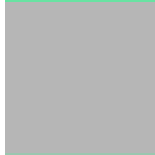
44.3145, 59.5224, 68.8279

Monochromacy



Original Color

39.4269, 59.9444, 43.6748



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.2584, 50.3533, 48.1021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4269, 59.9444, 43.6748 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(104, 226, 162)` looks like.

```
.text, #text, p{  
    color:rgb(104, 226, 162)  
}
```

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(104, 226, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 226, 162) }
```

Border

The CSS property to change the border of an element to XYZ 39.4269, 59.9444, 43.6748 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(104, 226, 162) }
```


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

```
.border{ border-color:rgb(104, 226, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 226, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 226, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 226, 162);  
box-shadow:4px 4px 4px 4px rgb(104, 226,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4269, 59.9444, 43.6748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 226, 162) }
```

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

```
.background{ background-color: rgb(104,  
226, 162) }
```

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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