

Converting Colors

XYZ(39.1874, 52.8231, 46.0813)

Have a look what the booklet for
XYZ(39.1874, 52.8231, 46.0813)
contains.

XYZ(39.1716, 52.8393, 46.1647)	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(39.1716, 52.8393,
46.1647)**

Conversions

Conversions Part 1

Format	Color
Hex	83D0AA
RGB	131, 208, 170
RGB Percent	51%, 82%, 67%
CMY	0.4863, 0.1843, 0.3333
CMYK	0.37, 0.00, 0.18, 0.18
HSL	150°, 45%, 66%
HSV	150°, 37%, 82%
XYZ	39.1716, 52.8393, 46.1647
YIQ	180.6450, -33.6940, -28.1420

Conversions

Conversions Part 2

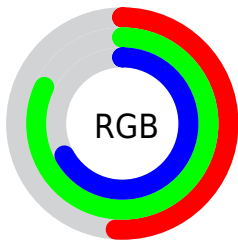
Format	Color
RYB	131, 182, 208
Decimal	8638634
CIELab	77.78, -32.13, 11.44
CIElCh	78, 34.110, 160.404
Yxy	52.8393, 0.2835, 0.3824
Android (android.graphics.Color)	4286828714 (0xFF83D0AA)
YUV	180.6450, -5.2480, -43.5387
Hunter-Lab	72.6906, -31.0184, 13.2293

Details

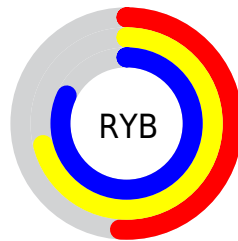
The XYZ color **39.1716, 52.8393, 46.1647** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.2918, 32.5082, 41.6364**, and the grayscale version is **43.7709, 46.0504, 50.1488**.

A 20% lighter version of the original color is **69.6003, 87.3953, 84.4348**, and **17.7218, 25.6683, 21.1600** is the 20% darker color. If you saturate the color by 10%, you get **35.3344, 50.9705, 41.1129**, and if you desaturate by 10%, it is **43.7342, 55.0762, 51.6486**.

Distribution



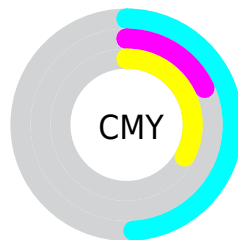
- Red (51%)
- Green (82%)
- Blue (67%)



- Red (51%)
- Yellow (71%)
- Blue (82%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (18%)





- Cyan (49%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1716, 52.8393, 46.1647 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 39.1716, 52.8393, 46.1647 by changing the saturation by 10% instead.


 39.1716, 52.8393,
46.1647


 39.1716, 52.8393,
46.1647


333.8141,
397.6683, 387.7672


 27.0746, 37.6745,
32.0262


 73.1928, 94.3679,
85.8023

 17.7661, 25.7302,
21.1165


 95.8477, 121.5004,
112.1385

 10.8809, 16.6219,
13.0171


 122.7525,
153.3910, 143.3777

 6.0535, 9.9653,
7.3095

154.2727,
190.4240, 179.9384

 2.9186, 5.3759,
3.5750

190.7736,
232.9838, 222.2391

 1.1109, 2.4695,
1.3952

232.6206,

 0.0342, 0.8613,

281.4549, 270.6985

0.1380

280.1790,
336.2216, 325.7350

■ 0.0000, 0.0000,
0.0000

■ 39.1716, 52.8393,
46.1647

■ 39.1716, 52.8393,
46.1647

■ 35.3344, 50.9705,
41.1129

■ 43.7342, 55.0762,
51.6486

■ 32.1778, 49.4424,
36.4787

■ 49.0552, 57.6937,
57.5715

■ 29.6581, 48.2344,
32.2520


■ 55.1709, 60.7117,
63.9446


■ 27.7248, 47.3206,
28.4206

■ 62.1136, 64.1468,
70.7775


■ 26.3191, 46.6708,
24.9717


■ 69.9140, 68.0145,
78.0798


 25.3631, 46.2451,
21.8913

 78.3047, 72.1769,
85.8465

 25.1247, 46.1408,
21.0410

 79.8028, 72.7761,
93.7350

 81.3874, 73.4099,
102.0793

 81.8468, 73.5937,
104.4989

Harmonies

Analogous

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



42.4239, 52.8393, 34.0215



39.1716, 52.8393, 46.1647



38.7265, 52.8393, 64.3622

Triad

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



39.1716, 52.8393, 46.1647



52.5533, 52.8393, 101.2909



60.5392, 52.8393, 37.0121

Complementary

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



39.1716, 52.8393, 46.1647



41.2918, 32.5082, 41.6364

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.



63.7936, 52.8393, 51.2049



39.1716, 52.8393, 46.1647



58.9219, 52.8393, 89.9530

Square

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



39.1716, 52.8393, 46.1647



46.0776, 52.8393, 99.1047



63.1771, 52.8393, 70.6294



54.6081, 52.8393, 29.5961

Rectangle

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



39.1716, 52.8393, 46.1647



40.0354, 52.8393, 77.9982



63.1771, 52.8393, 70.6294



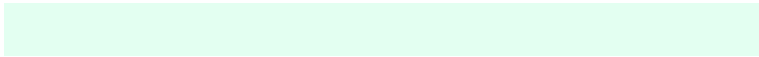
62.0051, 52.8393, 41.0028

Sweetspot

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



39.1730, 52.8415, 46.1659



83.3234, 94.2030, 97.1333



43.1240, 55.2432, 29.8634



17.5492, 20.0225, 20.4934



0.0000, 0.0000, 0.0000



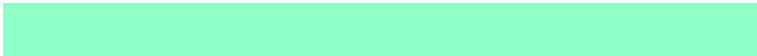
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.1730, 52.8415, 46.1659



57.4349, 81.4945, 67.1183



43.3028, 54.4934, 67.9131



11.9025, 13.3048, 13.8432



15.7074, 28.7759, 13.3710



0.9183, 1.6250, 0.9585

Inverse Universe

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



41.2918, 32.5082, 41.6364



61.2455, 44.9301, 58.9751



38.2269, 31.2822, 25.4966



12.0485, 11.9041, 13.5310



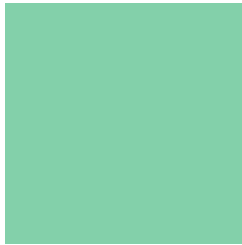
17.7760, 8.9832, 8.9927



1.0340, 0.5183, 0.7137

Previews

White Background



This preview shows how the XYZ color 39.1716, 52.8393, 46.1647 looks on a white background.

Color Contrast Check

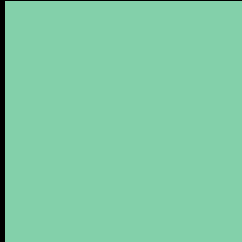
Large Text (above 18pt) WCAG AA × Fail

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 39.1716, 52.8393, 46.1647 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

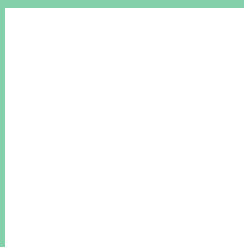
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.1716, 52.8393, 46.1647

Background



This preview shows how black text looks on a background with the XYZ color 39.1716, 52.8393, 46.1647.



This preview shows how white text looks on a background with the XYZ color 39.1716, 52.8393,

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

39.1716, 52.8393, 46.1647

Protanopia

49.4209, 52.3914, 41.2260

Deuteranopia

53.4057, 52.3920, 47.8553



Tritanopia

44.6969, 52.5860, 74.1240

Trichromacy



Original Color

39.1716, 52.8393, 46.1647



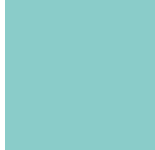
Protanomaly

44.5716, 51.8429, 42.7795



Deuteranomaly

46.6204, 51.4713, 47.0130



Tritanomaly

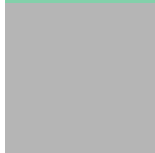
42.6167, 52.8061, 63.2048

Monochromacy



Original Color

39.1716, 52.8393, 46.1647



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.6709, 48.2225, 48.7065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1716, 52.8393, 46.1647 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(131, 208, 170)` looks like.

```
.text, #text, p{  
    color:rgb(131, 208, 170)  
}
```

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(131, 208, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 208, 170) }
```

Border

The CSS property to change the border of an element to XYZ 39.1716, 52.8393, 46.1647 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(131, 208, 170) }
```


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

```
.border{ border-color:rgb(131, 208, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 208, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 208, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 208, 170);  
box-shadow:4px 4px 4px 4px rgb(131, 208,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1716, 52.8393, 46.1647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 208, 170) }
```

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

```
.background{ background-color: rgb(131,  
208, 170) }
```

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