

Converting Colors

XYZ(38.9757, 48.3687, 23.9167)

Have a look what the booklet for
XYZ(38.9757, 48.3687, 23.9167)
contains.

XYZ(39.0217, 48.3906, 23.8066)	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(39.0217, 48.3906,
23.8066)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC274
RGB	170, 194, 116
RGB Percent	67%, 76%, 45%
CMY	0.3333, 0.2392, 0.5451
CMYK	0.12, 0.00, 0.40, 0.24
HSL	78°, 39%, 61%
HSV	78°, 40%, 76%
XYZ	39.0217, 48.3906, 23.8066
YIQ	177.9320, 10.7340, -29.3460

Conversions

Conversions Part 2

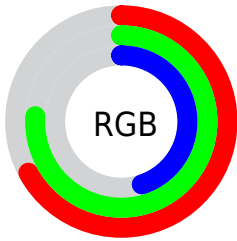
Format	Color
RYB	116, 194, 140
Decimal	11190900
CIELab	75.07, -20.93, 36.53
CIELCh	75, 42.102, 119.812
Yxy	48.3906, 0.3509, 0.4351
Android (android.graphics.Color)	4289380980 (0xFFAAC274)
YUV	177.9320, -30.5325, -6.9564
Hunter-Lab	69.5634, -21.6059, 28.4036

Details

The XYZ color **39.0217, 48.3906, 23.8066** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.8002, 21.9626, 53.8684**, and the grayscale version is **42.4344, 44.6443, 48.6177**.

A 20% lighter version of the original color is **73.0226, 88.0277, 50.6785**, and **17.5639, 22.8625, 8.6414** is the 20% darker color. If you saturate the color by 10%, you get **36.7479, 47.3370, 18.4122**, and if you desaturate by 10%, it is **41.5922, 49.5730, 30.4469**.

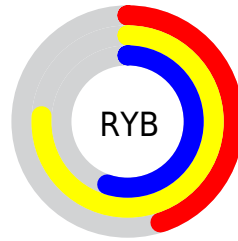
Distribution



Red (67%)

Green (76%)

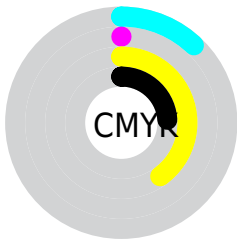
Blue (45%)



Red (45%)

Yellow (76%)

Blue (55%)

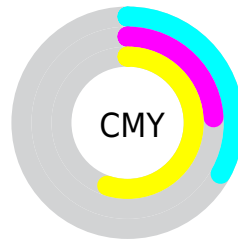


Cyan (12%)

Magenta (0%)

Yellow (40%)

Black (24%)



Cyan (33%)

Magenta (24%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0217, 48.3906, 23.8066 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 39.0217, 48.3906, 23.8066 by changing the saturation by 10% instead.

■ 39.0217, 48.3906,
23.8066

■ 39.0217, 48.3906,
23.8066

333.1883,
380.3383, 285.0963

■ 26.9574, 34.1363,
14.9793

■ 72.9653, 87.7857,
50.6543

■ 17.6777, 22.9983,
8.6584

■ 95.5754, 113.6953,
69.5118

■ 10.8171, 14.5923,
4.4253

■ 122.4314,
144.2587, 92.5498

■ 6.0104, 8.5337,
1.8614

153.8987,
179.8605, 120.1869

■ 2.8921, 4.4383,
0.4680

190.3427,
220.8849, 152.8415

■ 1.0970, 1.9217,
0.0000

232.1287,

■ 0.0226, 0.5613,

267.7165, 190.9322

0.0000

279.6222,
320.7394, 234.8776

■ 0.0000, 0.0000,
0.0000

■ 39.0217, 48.3906,
23.8066

■ 39.0217, 48.3906,
23.8066

■ 36.7479, 47.3370,
18.4122

■ 41.5922, 49.5730,
30.4469

■ 34.7517, 46.3995,
14.1828

■ 44.4701, 50.8835,
38.4014

■ 33.0170, 45.5731,
11.0328


■ 47.6698, 52.3297,
47.7367


■ 31.5243, 44.8501,
8.8632

■ 51.2037, 53.9166,
58.5143


■ 30.2506, 44.2210,
7.5572

■ 55.0835, 55.6490,
70.7919

 29.1724, 43.6788,
6.8933

 59.3202, 57.5313,
84.6240

 63.9243, 59.5679,
100.0624

 66.1855, 60.6746,
102.8308

 68.0008, 61.6104,
102.9157

Harmonies

Analogous

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



46.0424, 48.3906, 20.6544



39.0217, 48.3906, 23.8066



34.3510, 48.3906, 34.1212

Triad

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



39.0217, 48.3906, 23.8066



38.9463, 48.3906, 98.4718



62.4369, 48.3906, 52.8285

Complementary

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



39.0217, 48.3906, 23.8066



26.8002, 21.9626, 53.8684

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.



60.0085, 48.3906, 77.0041



39.0217, 48.3906, 23.8066



45.9452, 48.3906, 107.4529

Square

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



39.0217, 48.3906, 23.8066



34.3110, 48.3906, 76.6941



53.7506, 48.3906, 98.6832



60.0665, 48.3906, 34.3020

Rectangle

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



39.0217, 48.3906, 23.8066



32.9115, 48.3906, 45.5422



53.7506, 48.3906, 98.6832



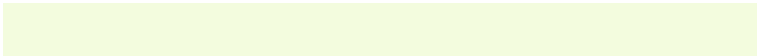
62.1514, 48.3906, 60.5472

Sweetspot

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



39.0229, 48.3927, 23.8076



85.1637, 94.2634, 82.9230



34.6929, 31.3131, 20.7391



18.4766, 20.5645, 17.6477



0.0000, 0.0000, 0.0000



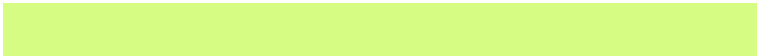
20.3446, 21.4041, 23.3091

Same Dimension

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



39.0229, 48.3927, 23.8076



67.1382, 86.0210, 34.6354



31.8990, 44.7203, 23.4742



10.6020, 11.5978, 10.7417



19.2659, 28.7608, 4.5360



0.9002, 1.2776, 0.1992

Inverse Universe

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



26.8002, 21.9626, 53.8684



42.0643, 31.7502, 96.3812



34.4368, 25.8994, 54.2258



9.8134, 9.8950, 12.6775



7.6901, 3.2248, 33.7738



0.4043, 0.1765, 1.4626

Previews

White Background



This preview shows how the XYZ color 39.0217, 48.3906, 23.8066 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 39.0217, 48.3906, 23.8066 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 39.0217, 48.3906, 23.8066

Background



This preview shows how black text looks on a background with the XYZ color 39.0217, 48.3906, 23.8066.



This preview shows how white text looks on a background with the XYZ color 39.0217, 48.3906,

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

39.0217, 48.3906, 23.8066

Protanopia

44.6307, 48.4243, 22.3238

Deuteranopia

49.0397, 47.9363, 24.4373



Tritanopia

46.5053, 48.2283, 60.8907

Trichromacy



Original Color

39.0217, 48.3906, 23.8066

Protanomaly

42.1991, 48.1058, 22.6840

Deuteranomaly

44.8919, 47.8954, 24.3314

Tritanomaly

43.2761, 48.1781, 44.5545

Monochromacy



Original Color

39.0217, 48.3906, 23.8066

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.7361, 45.7615, 37.6962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0217, 48.3906, 23.8066 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(170, 194, 116)` looks like.

```
.text, #text, p{  
    color:rgb(170, 194, 116)  
}
```

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(170, 194, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 194, 116) }
```

Border

The CSS property to change the border of an element to XYZ 39.0217, 48.3906, 23.8066 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(170, 194, 116) }
```


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

```
.border{ border-color:rgb(170, 194, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 194, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 194, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 194, 116);  
box-shadow:4px 4px 4px 4px rgb(170, 194,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0217, 48.3906, 23.8066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 194, 116) }
```

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

```
.background{ background-color: rgb(170,  
194, 116) }
```

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