

Converting Colors

XYZ(35.7976, 48.5362, 19.4176)

Have a look what the booklet for
XYZ(35.7976, 48.5362, 19.4176)
contains.

XYZ(35.8605, 48.5393, 19.5356)	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(35.8605, 48.5393,
19.5356)**

Conversions

Conversions Part 1

Format	Color
Hex	99C764
RGB	153, 199, 100
RGB Percent	60%, 78%, 39%
CMY	0.4000, 0.2196, 0.6078
CMYK	0.23, 0.00, 0.50, 0.22
HSL	88°, 47%, 59%
HSV	88°, 50%, 78%
XYZ	35.8605, 48.5393, 19.5356
YIQ	173.9600, 4.3630, -40.5410

Conversions

Conversions Part 2

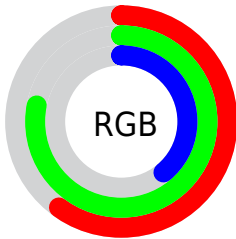
Format	Color
RYB	100, 199, 146
Decimal	10078052
CIELab	75.16, -31.65, 44.38
CIElCh	75, 54.508, 125.499
Yxy	48.5393, 0.3450, 0.4670
Android (android.graphics.Color)	4288268132 (0xFF99C764)
YUV	173.9600, -36.4623, -18.3819
Hunter-Lab	69.6702, -30.0456, 32.1441

Details

The XYZ color **35.8605, 48.5393, 19.5356** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.7223, 19.3504, 56.3623**, and the grayscale version is **40.3925, 42.4960, 46.2782**.

A 20% lighter version of the original color is **67.8043, 87.3752, 43.4284**, and **15.8254, 23.1252, 6.5353** is the 20% darker color. If you saturate the color by 10%, you get **33.3346, 47.3367, 14.9893**, and if you desaturate by 10%, it is **38.7593, 49.9100, 25.3293**.

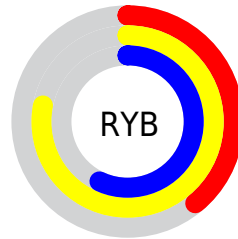
Distribution



Red (60%)

Green (78%)

Blue (39%)



Red (39%)

Yellow (78%)

Blue (57%)

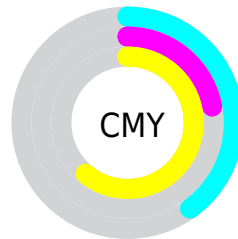


Cyan (23%)

Magenta (0%)

Yellow (50%)

Black (22%)



Cyan (40%)

Magenta (22%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8605, 48.5393, 19.5356 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 35.8605, 48.5393, 19.5356 by changing the saturation by 10% instead.

■ 35.8605, 48.5393,
19.5356

■ 35.8605, 48.5393,
19.5356

319.7923,
380.9258, 261.9104

■ 24.4961, 34.2542,
11.8772

■ 68.1420, 88.0068,
43.4859

■ 15.8287, 23.0889,
6.5386

■ 89.7898, 113.9580,
60.6149

■ 9.4931, 14.6592,
3.1012

■ 115.5960,
144.5667, 81.7378

■ 5.1239, 8.5805,
1.1466

■ 145.9261,
180.2172, 107.2732

■ 2.3556, 4.4686,
0.0000

181.1455,
221.2940, 137.6396

■ 0.8229, 1.9390,
0.0000

221.6194,

■ 0.0000, 0.5717,

268.1814, 173.2556

0.0000

267.7132,
321.2639, 214.5397

■ 0.0000, 0.0000,
0.0000

■ 35.8605, 48.5393,
19.5356

■ 35.8605, 48.5393,
19.5356

■ 33.3346, 47.3367,
14.9893

■ 38.7593, 49.9100,
25.3293

■ 31.1576, 46.2873,
11.5952

■ 42.0462, 51.4503,
32.4500

■ 29.3077, 45.3836,
9.2497


■ 45.7395, 53.1694,
40.9742


■ 27.7581, 44.6146,
7.8292


■ 49.8551, 55.0740,
50.9719


■ 26.4621, 43.9612,
7.1050


■ 54.4083, 57.1706,
62.5083

 26.4315, 43.9457,
7.0893

 59.4131, 59.4652,
75.6447

 64.8833, 61.9633,
90.4391

 70.1467, 64.3966,
103.3404

 73.1422, 65.9408,
103.4806

Harmonies

Analogous

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



44.3198, 48.5393, 14.8386



35.8605, 48.5393, 19.5356



30.7774, 48.5393, 33.1705

Triad

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



35.8605, 48.5393, 19.5356



38.6223, 48.5393, 120.3335



68.0060, 48.5393, 47.7554

Complementary

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



35.8605, 48.5393, 19.5356



26.7223, 19.3504, 56.3623

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.



65.9032, 48.5393, 79.0905



35.8605, 48.5393, 19.5356



47.9994, 48.5393, 128.6493

Square

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



35.8605, 48.5393, 19.5356



32.2034, 48.5393, 91.6409



58.2058, 48.5393, 111.4432



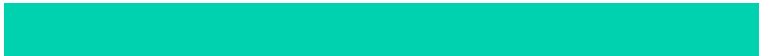
63.5972, 48.5393, 26.9205

Rectangle

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



35.8605, 48.5393, 19.5356



29.5202, 48.5393, 48.6522



58.2058, 48.5393, 111.4432



68.0437, 48.5393, 57.2848

Sweetspot

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



35.8617, 48.5414, 19.5366



83.2523, 94.5601, 79.3393



35.9122, 33.1776, 16.5685



17.4949, 20.0894, 16.1992



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.



35.8617, 48.5414, 19.5366



57.9021, 82.6576, 25.4731



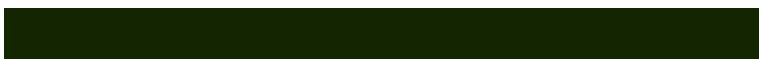
28.5451, 44.7696, 19.1942



11.0306, 12.1627, 11.3290



17.0972, 28.3092, 4.5631



0.8926, 1.3832, 0.2199

Inverse Universe

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



26.7223, 19.3504, 56.3623



40.0565, 25.6181, 97.4413



37.1290, 24.7152, 56.8493



10.5173, 10.5250, 13.3947



9.5964, 4.1814, 35.0457



0.5378, 0.2410, 1.6633

Previews

White Background



This preview shows how the XYZ color 35.8605, 48.5393, 19.5356 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 35.8605, 48.5393, 19.5356 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 35.8605, 48.5393, 19.5356

Background



This preview shows how black text looks on a background with the XYZ color 35.8605, 48.5393, 19.5356.



This preview shows how white text looks on a background with the XYZ color 35.8605, 48.5393,

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

35.8605, 48.5393, 19.5356

Protanopia

44.3164, 48.3615, 17.8255

Deuteranopia

49.1782, 48.0988, 20.3277



Tritanopia

44.6991, 48.4937, 63.5042

Trichromacy



Original Color

35.8605, 48.5393, 19.5356

Protanomaly

40.5787, 48.0043, 18.4363

Deuteranomaly

43.1924, 47.4226, 19.9737

Tritanomaly

40.6329, 48.1338, 43.2256

Monochromacy



Original Color

35.8605, 48.5393, 19.5356

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

37.9258, 44.0805, 34.1133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8605, 48.5393, 19.5356 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(153, 199, 100)` looks like.

```
.text, #text, p{  
    color:rgb(153, 199, 100)  
}
```

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(153, 199, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 199, 100) }
```

Border

The CSS property to change the border of an element to XYZ 35.8605, 48.5393, 19.5356 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(153, 199, 100) }
```


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

```
.border{ border-color:rgb(153, 199, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 199, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 199, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 199, 100);  
box-shadow:4px 4px 4px 4px rgb(153, 199,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8605, 48.5393, 19.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 199, 100) }
```

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

```
.background{ background-color: rgb(153,  
199, 100) }
```

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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