

Converting Colors

XYZ(36.2780, 50.3698, 20.4602)

Have a look what the booklet for
XYZ(36.2780, 50.3698, 20.4602)
contains.

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Color

**XYZ(36.3856, 50.5346,
20.4068)**

Conversions

Conversions Part 1

Format	Color
Hex	95CC66
RGB	149, 204, 102
RGB Percent	58%, 80%, 40%
CMY	0.4157, 0.2000, 0.6000
CMYK	0.27, 0.00, 0.50, 0.20
HSL	92°, 50%, 60%
HSV	92°, 50%, 80%
XYZ	36.3856, 50.5346, 20.4068
YIQ	175.9270, -0.0380, -43.3820

Conversions

Conversions Part 2

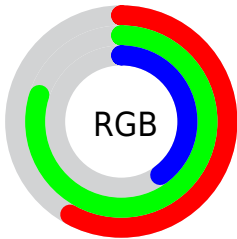
Format	Color
RYB	102, 204, 157
Decimal	9817190
CIELab	76.40, -35.21, 44.85
CIELCh	76, 57.018, 128.134
Yxy	50.5346, 0.3390, 0.4708
Android (android.graphics.Color)	4288007270 (0xFF95CC66)
YUV	175.9270, -36.4460, -23.6150
Hunter-Lab	71.0877, -33.0398, 32.7413

Details

The XYZ color **36.3856, 50.5346, 20.4068** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.5572, 21.0319, 59.6313**, and the grayscale version is **41.4140, 43.5707, 47.4485**.

A 20% lighter version of the original color is **66.8532, 86.8657, 44.2536**, and **16.0643, 24.1668, 6.9500** is the 20% darker color. If you saturate the color by 10%, you get **33.5830, 49.1942, 15.6290**, and if you desaturate by 10%, it is **39.6293, 52.0767, 26.5068**.

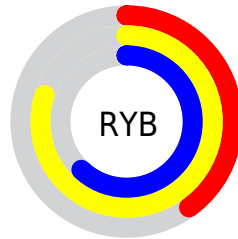
Distribution



Red (58%)

Green (80%)

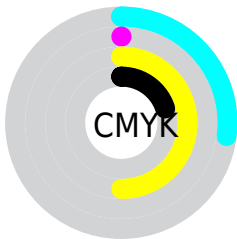
Blue (40%)



Red (40%)

Yellow (80%)

Blue (62%)

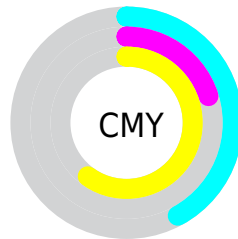


Cyan (27%)

Magenta (0%)

Yellow (50%)

Black (20%)



Cyan (42%)


Magenta (20%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3856, 50.5346, 20.4068 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 36.3856, 50.5346, 20.4068 by changing the saturation by 10% instead.


 36.3856, 50.5346,
20.4068


 36.3856, 50.5346,
20.4068


322.0447,
388.7529, 266.7856


 24.9036, 35.8384,
12.5041


 68.9468, 90.9665,
44.9661


 16.1336, 24.3094,
6.9613

 90.7568, 117.4709,
62.4597

 9.7102, 15.5633,
3.3598


 116.7401,
148.6801, 83.9874

 5.2680, 9.2157,
1.2812

 147.2621,
184.9786, 109.9677

 2.4417, 4.8821,
0.0463

182.6883,
226.7507, 140.8191

 0.8660, 2.1783,
0.0000

223.3838,

 0.0000, 0.7081,

274.3809, 176.9602

0.0000

269.7142,
328.2535, 218.8096

■ 0.0000, 0.0000,
0.0000

■ 36.3856, 50.5346,
20.4068

■ 36.3856, 50.5346,
20.4068

■ 33.5830, 49.1942,
15.6290

■ 39.6293, 52.0767,
26.5068

■ 31.1939, 48.0389,
12.0718

■ 43.3320, 53.8232,
34.0138

■ 29.1929, 47.0594,
9.6245


■ 47.5152, 55.7850,
43.0096


■ 27.5491, 46.2429,
8.1545


■ 52.1976, 57.9699,
53.5686


■ 26.2096, 45.5673,
7.4140


■ 57.3967, 60.3858,
65.7604

 26.2096, 45.5673,
7.4140

 63.1295, 63.0396,
79.6502

 69.4118, 65.9384,
95.2999

 74.5714, 68.4136,
103.8826

 78.3582, 70.3658,
104.0598

Harmonies

Analogous

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



45.1714, 50.5346, 14.8115



36.3856, 50.5346, 20.4068



31.3171, 50.5346, 35.8221

Triad

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



36.3856, 50.5346, 20.4068



40.7507, 50.5346, 130.0860



71.4852, 50.5346, 47.0802

Complementary

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



36.3856, 50.5346, 20.4068



29.5572, 21.0319, 59.6313

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.



69.8339, 50.5346, 80.0916



36.3856, 50.5346, 20.4068



51.0101, 50.5346, 136.6829

Square

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



36.3856, 50.5346, 20.4068



33.5636, 50.5346, 100.1650



61.9301, 50.5346, 115.8071



66.1544, 50.5346, 26.0094

Rectangle

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



36.3856, 50.5346, 20.4068



30.2224, 50.5346, 53.1222



61.9301, 50.5346, 115.8071



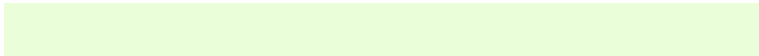
71.7417, 50.5346, 56.9698

Sweetspot

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



36.3868, 50.5368, 20.4079



82.3064, 94.0725, 79.2951



39.2578, 37.7100, 17.7808



17.2674, 19.9722, 16.1886



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.



36.3868, 50.5368, 20.4079



55.2804, 81.3061, 25.3504



29.6443, 47.0410, 20.9908



11.5510, 12.7859, 11.9386



16.6008, 28.7333, 4.6711



0.9436, 1.5273, 0.2451

Inverse Universe

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



29.5572, 21.0319, 59.6313



42.6897, 26.9755, 97.5645



40.1508, 26.5397, 58.0211



11.1699, 11.1369, 14.1313



11.0164, 4.8867, 36.3189



0.6553, 0.2969, 1.8777

Previews

White Background



This preview shows how the XYZ color 36.3856, 50.5346, 20.4068 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 36.3856, 50.5346, 20.4068 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 36.3856, 50.5346, 20.4068

Background



This preview shows how black text looks on a background with the XYZ color 36.3856, 50.5346, 20.4068.



This preview shows how white text looks on a background with the XYZ color 36.3856, 50.5346,

20.4068.

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

36.3856, 50.5346, 20.4068

Protanopia

45.8730, 50.0949, 18.5608

Deuteranopia

51.1400, 49.9809, 21.1393



Tritanopia

45.7519, 50.2527, 66.9629

Trichromacy



Original Color

36.3856, 50.5346, 20.4068

Protanomaly

41.7936, 49.9235, 19.2378

Deuteranomaly

44.4042, 49.2864, 20.8085

Tritanomaly

41.1994, 49.7154, 44.9607

Monochromacy



Original Color

36.3856, 50.5346, 20.4068

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

38.7096, 45.3947, 35.1556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3856, 50.5346, 20.4068 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(149, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(149, 204, 102)  
}
```

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(149, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 204, 102) }
```

Border

The CSS property to change the border of an element to XYZ 36.3856, 50.5346, 20.4068 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(149, 204, 102) }
```


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

```
.border{ border-color:rgb(149, 204, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 204, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(149, 204,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3856, 50.5346, 20.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 204, 102) }
```

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

```
.background{ background-color: rgb(149,  
204, 102) }
```

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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