

Converting Colors

XYZ(37.0408, 48.9279, 19.0526)

Have a look what the booklet for
XYZ(37.0408, 48.9279, 19.0526)
contains.

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Color

**XYZ(36.8959, 48.7436,
19.0191)**

Conversions

Conversions Part 1

Format	Color
Hex	A0C662
RGB	160, 198, 98
RGB Percent	63%, 78%, 38%
CMY	0.3725, 0.2235, 0.6157
CMYK	0.19, 0.00, 0.51, 0.22
HSL	83°, 47%, 58%
HSV	83°, 51%, 78%
XYZ	36.8959, 48.7436, 19.0191
YIQ	175.2380, 9.4520, -39.1560

Conversions

Conversions Part 2

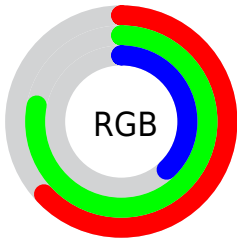
Format	Color
RYB	98, 198, 136
Decimal	10536546
CIELab	75.29, -28.76, 45.60
CIELCh	75, 53.911, 122.238
Yxy	48.7436, 0.3525, 0.4657
Android (android.graphics.Color)	4288726626 (0xFFA0C662)
YUV	175.2380, -38.0783, -13.3637
Hunter-Lab	69.8166, -27.8474, 32.7201

Details

The XYZ color **36.8959, 48.7436, 19.0191** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.7161, 18.0482, 55.6098**, and the grayscale version is **41.0597, 43.1980, 47.0426**.

A 20% lighter version of the original color is **69.6648, 88.3533, 42.6603**, and **16.4302, 23.2159, 6.3045** is the 20% darker color. If you saturate the color by 10%, you get **34.6155, 47.6646, 14.6216**, and if you desaturate by 10%, it is **39.5010, 49.9664, 24.6408**.

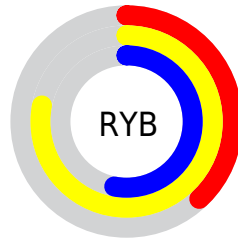
Distribution



Red (63%)

Green (78%)

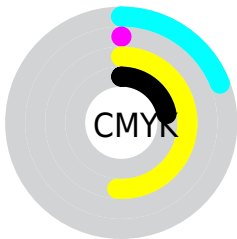
Blue (38%)



Red (38%)

Yellow (78%)

Blue (53%)

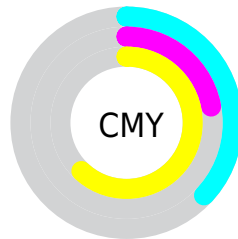


Cyan (19%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (37%)

Magenta (22%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8959, 48.7436, 19.0191 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 36.8959, 48.7436, 19.0191 by changing the saturation by 10% instead.

■ 36.8959, 48.7436,
19.0191

■ 36.8959, 48.7436,
19.0191

324.2230,
381.7321, 258.9804

■ 25.3002, 34.4161,
11.5071

■ 69.7275, 88.3105,
42.6035

■ 16.4308, 23.2135,
6.2906

■ 91.6942, 114.3188,
59.5130

■ 9.9223, 14.7512,
2.9509

■ 117.8485,
144.9894, 80.3921

■ 5.4093, 8.6450,
1.0696

■ 148.5559,
180.7068, 105.6593

■ 2.5266, 4.5103,
0.0000

184.1816,
221.8554, 135.7333

■ 0.9087, 1.9629,
0.0000

225.0912,

■ 0.0000, 0.5858,

268.8195, 171.0324

0.0000

271.6498,
321.9836, 211.9753

■ 0.0000, 0.0000,
0.0000

■ 36.8959, 48.7436,
19.0191

■ 36.8959, 48.7436,
19.0191

■ 34.6155, 47.6646,
14.6216

■ 39.5010, 49.9664,
24.6408

■ 32.6374, 46.7151,
11.3535

■ 42.4443, 51.3335,
31.5659

■ 30.9411, 45.8885,
9.1116

■ 45.7430, 52.8536,
39.8704

■ 29.5016, 45.1746,
7.7719

■ 49.4115, 54.5328,
49.6236

■ 28.3285, 44.5832,
7.1123

■ 53.4637, 56.3766,
60.8903

■ 57.9124, 58.3903,
73.7312

■ 62.7700, 60.5792,
88.2039

■ 67.8208, 62.8571,
103.1658

■ 70.1527, 64.0592,
103.2750

Harmonies

Analogous

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



45.5896, 48.7436, 15.1030



36.8959, 48.7436, 19.0191



31.4396, 48.7436, 31.5086

Triad

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



36.8959, 48.7436, 19.0191



38.0137, 48.7436, 117.4342



68.0804, 48.7436, 50.9721

Complementary

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



36.8959, 48.7436, 19.0191



24.7161, 18.0482, 55.6098

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.



65.3047, 48.7436, 82.7436



36.8959, 48.7436, 19.0191



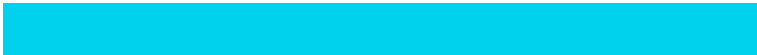
47.0770, 48.7436, 128.3441

Square

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



36.8959, 48.7436, 19.0191



32.0174, 48.7436, 87.8033



57.2475, 48.7436, 113.8547



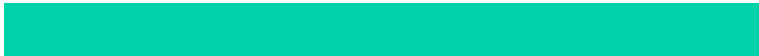
64.3742, 48.7436, 28.9740

Rectangle

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



36.8959, 48.7436, 19.0191



29.9072, 48.7436, 46.0438



57.2475, 48.7436, 113.8547



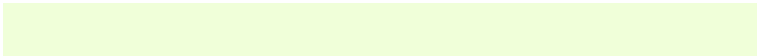
67.8739, 48.7436, 60.7846

Sweetspot

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



36.8971, 48.7458, 19.0201



84.3446, 95.1232, 79.3905



34.1127, 30.1243, 15.5726



17.7582, 20.2252, 16.2115



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.



36.8971, 48.7458, 19.0201



60.7687, 84.1498, 24.9572



28.9978, 44.6735, 18.6505



11.1183, 12.2079, 11.3331



18.5195, 29.0424, 4.6297



0.9556, 1.4158, 0.2229

Inverse Universe

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



24.7161, 18.0482, 55.6098



36.7666, 23.5557, 97.2166



34.4898, 23.0867, 56.0672



10.4313, 10.4806, 13.3907



8.6168, 3.6764, 34.9998



0.4883, 0.2155, 1.6610

Previews

White Background



This preview shows how the XYZ color 36.8959, 48.7436, 19.0191 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 36.8959, 48.7436, 19.0191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

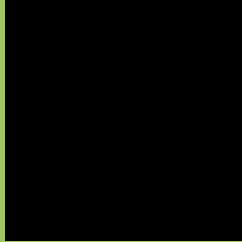
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8959, 48.7436, 19.0191

Background



This preview shows how black text looks on a background with the XYZ color 36.8959, 48.7436, 19.0191.



This preview shows how white text looks on a background with the XYZ color 36.8959, 48.7436,

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

36.8959, 48.7436, 19.0191

Protanopia

44.2712, 48.3434, 17.5876

Deuteranopia

49.3375, 48.1987, 19.5349



Tritanopia

45.7685, 48.7564, 62.2570

Trichromacy



Original Color

36.8959, 48.7436, 19.0191

Protanomaly

41.2181, 48.3445, 17.9855

Deuteranomaly

43.8466, 47.7771, 19.2229

Tritanomaly

41.6938, 48.3770, 42.2621

Monochromacy



Original Color

36.8959, 48.7436, 19.0191

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

38.7775, 44.5196, 34.1531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8959, 48.7436, 19.0191 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(160, 198, 98)` looks like.

```
.text, #text, p{  
    color:rgb(160, 198, 98)  
}
```

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(160, 198, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 198, 98) }
```

Border

The CSS property to change the border of an element to XYZ 36.8959, 48.7436, 19.0191 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(160, 198, 98) }
```


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

```
.border{ border-color:rgb(160, 198, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 198, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 198, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 198, 98);  
box-shadow:4px 4px 4px 4px rgb(160, 198,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8959, 48.7436, 19.0191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 198, 98) }
```

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

```
.background{ background-color: rgb(160,  
198, 98) }
```

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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