

Converting Colors

XYZ(39.7025, 48.6654, 16.2913)

Have a look what the booklet for
XYZ(39.7025, 48.6654, 16.2913)
contains.

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Color

**XYZ(39.6127, 48.5313,
16.2965)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C157
RGB	180, 193, 87
RGB Percent	71%, 76%, 34%
CMY	0.2941, 0.2431, 0.6588
CMYK	0.07, 0.00, 0.55, 0.24
HSL	67°, 46%, 55%
HSV	67°, 55%, 76%
XYZ	39.6127, 48.5313, 16.2965
YIQ	177.0290, 26.2780, -35.7220

Conversions

Conversions Part 2

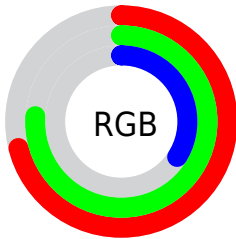
Format	Color
RYB	87, 193, 100
Decimal	11845975
CIELab	75.16, -19.44, 50.98
CIELCh	75, 54.565, 110.877
Yxy	48.5313, 0.3793, 0.4647
Android (android.graphics.Color)	4290036055 (0xFFB4C157)
YUV	177.0290, -44.3843, 2.6056
Hunter-Lab	69.6644, -20.4137, 34.8955

Details

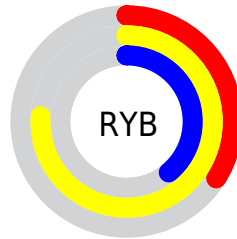
The XYZ color **39.6127, 48.5313, 16.2965** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **18.2910, 13.3771, 52.0729**, and the grayscale version is **42.0225, 44.2109, 48.1457**.

A 20% lighter version of the original color is **73.8692, 87.8220, 37.8690**, and **18.1243, 23.2316, 5.0423** is the 20% darker color. If you saturate the color by 10%, you get **38.3812, 47.9773, 12.6590**, and if you desaturate by 10%, it is **41.0668, 49.1789, 21.0466**.

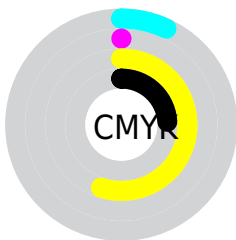
Distribution



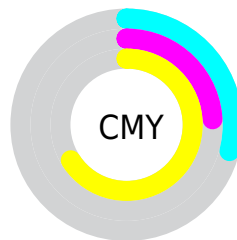
- Red (71%)
- Green (76%)
- Blue (34%)



- Red (34%)
- Yellow (76%)
- Blue (39%)



- Cyan (7%)
- Magenta (0%)
- Yellow (55%)
- Black (24%)



- Cyan (29%)
- Magenta (24%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6127, 48.5313, 16.2965 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 39.6127, 48.5313, 16.2965 by changing the saturation by 10% instead.

■ 39.6127, 48.5313,
16.2965

■ 39.6127, 48.5313,
16.2965

335.6509,
380.8942, 242.9902

■ 27.4196, 34.2478,
9.5776

■ 73.8615, 87.9949,
37.8861

■ 18.0268, 23.0840,
5.0179

■ 96.6478, 113.9439,
53.5939

■ 11.0690, 14.6556,
2.1988

■ 123.6960,
144.5501, 73.1350

■ 6.1809, 8.5780,
0.6737

■ 155.3713,
180.1980, 96.9281

■ 2.9971, 4.4670,
0.0000

192.0391,
221.2720, 125.3916

■ 1.1522, 1.9381,
0.0000

234.0647,

■ 0.0681, 0.5711,

268.1564, 158.9441

0.0000

281.8135,
321.2357, 198.0041

■ 0.0000, 0.0000,
0.0000

■ 39.6127, 48.5313,
16.2965

■ 39.6127, 48.5313,
16.2965

■ 38.3812, 47.9773,
12.6590

■ 41.0668, 49.1789,
21.0466

■ 37.3515, 47.5033,
10.0404

■ 42.7553, 49.9196,
26.9870

■ 36.5048, 47.1037,
8.3369

■ 44.6934, 50.7613,
34.1918

■ 35.8168, 46.7686,
7.4209

■ 46.8938, 51.7090,
42.7284

■ 35.5033, 46.6132,
7.1260

■ 49.3685, 52.7675,
52.6592

■ 52.1287, 53.9413,
64.0430

■ 55.1849, 55.2347,
76.9348

■ 58.5471, 56.6515,
91.3872

■ 61.2920, 57.8226,
102.5382

Harmonies

Analogous

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



49.2421, 48.5313, 15.0009



39.6127, 48.5313, 16.2965



32.7677, 48.5313, 25.1672

Triad

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



39.6127, 48.5313, 16.2965



35.0334, 48.5313, 108.0705



67.8218, 48.5313, 62.0578

Complementary

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



39.6127, 48.5313, 16.2965



18.2910, 13.3771, 52.0729

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.



62.6996, 48.5313, 95.7321



39.6127, 48.5313, 16.2965



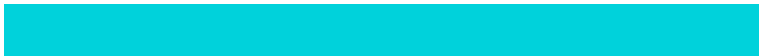
43.1472, 48.5313, 127.9365

Square

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



39.6127, 48.5313, 16.2965



30.4012, 48.5313, 74.9814



53.3202, 48.5313, 122.7488



66.5133, 48.5313, 35.5561

Rectangle

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



39.6127, 48.5313, 16.2965



30.2491, 48.5313, 36.7855



53.3202, 48.5313, 122.7488



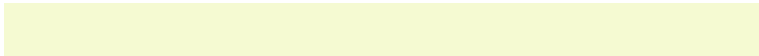
66.7704, 48.5313, 73.0003

Sweetspot

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



39.6139, 48.5335, 16.2975



83.4312, 92.3695, 74.3497



28.2109, 21.0202, 11.5879



17.7179, 19.7386, 15.2419



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



39.6139, 48.5335, 16.2975



68.3187, 85.7321, 21.5344



29.6390, 43.3913, 15.8307



10.7879, 11.6936, 10.7504



23.6583, 31.0251, 4.7415



1.0571, 1.3585, 0.2065

Inverse Universe

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



18.2910, 13.3771, 52.0729



26.3348, 16.4029, 92.1384



26.0530, 17.3786, 52.4361



9.6406, 9.8059, 12.6694



6.6848, 2.7066, 33.7267



0.3275, 0.1369, 1.4590

Previews

White Background



This preview shows how the XYZ color 39.6127, 48.5313, 16.2965 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 39.6127, 48.5313, 16.2965 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 39.6127, 48.5313, 16.2965

Background



This preview shows how black text looks on a background with the XYZ color 39.6127, 48.5313, 16.2965.



This preview shows how white text looks on a background with the XYZ color 39.6127, 48.5313,

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

39.6127, 48.5313, 16.2965

Protanopia

44.1655, 48.3329, 15.5957

Deuteranopia

49.4520, 48.3174, 16.8450



Tritanopia

48.2259, 48.2397, 58.9940

Trichromacy



Original Color

39.6127, 48.5313, 16.2965

Protanomaly

42.4279, 48.3741, 15.9050

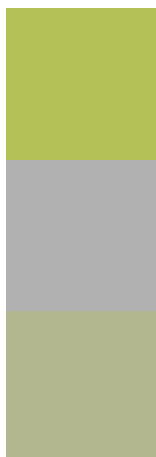
Deuteranomaly

45.4374, 48.0430, 16.5513

Tritanomaly

44.0887, 47.7896, 38.3531

Monochromacy



Original Color

39.6127, 48.5313, 16.2965

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.3276, 45.3456, 33.0126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6127, 48.5313, 16.2965 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(180, 193, 87)` looks like.

```
.text, #text, p{  
    color:rgb(180, 193, 87)  
}
```

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(180, 193, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 193, 87) }
```

Border

The CSS property to change the border of an element to XYZ 39.6127, 48.5313, 16.2965 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(180, 193, 87) }
```


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

```
.border{ border-color:rgb(180, 193, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 193, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 193, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 193, 87);  
box-shadow:4px 4px 4px 4px rgb(180, 193,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6127, 48.5313, 16.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 193, 87) }
```

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

```
.background{ background-color: rgb(180,  
193, 87) }
```

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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