

Converting Colors

XYZ(38.2978, 47.1984, 16.3249)

Have a look what the booklet for
XYZ(38.2978, 47.1984, 16.3249)
contains.

XYZ(38.2967, 47.1963, 16.3239)	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(38.2967, 47.1963,
16.3239)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BF58
RGB	176, 191, 88
RGB Percent	69%, 75%, 35%
CMY	0.3098, 0.2510, 0.6549
CMYK	0.08, 0.00, 0.54, 0.25
HSL	69°, 45%, 55%
HSV	69°, 54%, 75%
XYZ	38.2967, 47.1963, 16.3239
YIQ	174.7730, 24.1230, -35.2130

Conversions

Conversions Part 2

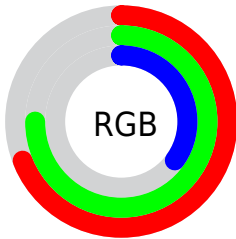
Format	Color
RYB	88, 191, 103
Decimal	11583320
CIELab	74.32, -19.99, 49.47
CIELCh	74, 53.355, 112.004
Yxy	47.1963, 0.3761, 0.4635
Android (android.graphics.Color)	4289773400 (0xFFB0BF58)
YUV	174.7730, -42.7791, 1.0761
Hunter-Lab	68.6996, -20.7191, 34.0016

Details

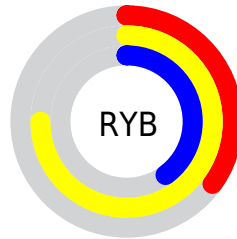
The XYZ color **38.2967, 47.1963, 16.3239** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.4890, 13.6258, 50.9487**, and the grayscale version is **40.8366, 42.9633, 46.7871**.

A 20% lighter version of the original color is **71.6728, 85.7683, 37.9767**, and **17.2921, 22.3693, 5.0754** is the 20% darker color. If you saturate the color by 10%, you get **36.9846, 46.6012, 12.6600**, and if you desaturate by 10%, it is **39.8312, 47.8852, 21.0820**.

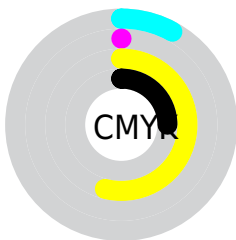
Distribution



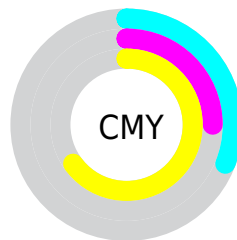
- Red (69%)
- Green (75%)
- Blue (35%)



- Red (35%)
- Yellow (75%)
- Blue (40%)



- Cyan (8%)
- Magenta (0%)
- Yellow (54%)
- Black (25%)



- Cyan (31%)
- Magenta (25%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2967, 47.1963, 16.3239 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 38.2967, 47.1963, 16.3239 by changing the saturation by 10% instead.

■ 38.2967, 47.1963,
16.3239

■ 38.2967, 47.1963,
16.3239

330.1499,
375.5975, 243.1561

■ 26.3913, 33.1909,
9.5968

■ 71.8636, 86.0066,
37.9342

■ 17.2508, 22.2727,
5.0304

■ 94.2559, 111.5802,
53.6545

■ 10.5099, 14.0574,
2.2060

■ 120.8745,
141.7786, 73.2096

■ 5.8032, 8.1606,
0.6779

■ 152.0848,
176.9864, 97.0180

■ 2.7653, 4.1979,
0.0000

188.2521,
217.5877, 125.4983

■ 1.0309, 1.7849,
0.0000

229.7418,

■ 0.0000, 0.4777,

263.9671, 159.0691

0.0000

276.9193,
316.5089, 198.1488

■ 0.0000, 0.0000,
0.0000

■ 38.2967, 47.1963,
16.3239

■ 38.2967, 47.1963,
16.3239

■ 36.9846, 46.6012,
12.6600

■ 39.8312, 47.8852,
21.0820

■ 35.8749, 46.0869,
10.0001

■ 41.5997, 48.6676,
27.0090

■ 34.9497, 45.6478,
8.2447

■ 43.6167, 49.5508,
34.1768

■ 34.1856, 45.2746,
7.2723

■ 45.8947, 50.5399,
42.6503

■ 33.7728, 45.0692,
6.9192

■ 48.4452, 51.6396,
52.4903

■ 51.2791, 52.8542,
63.7533

■ 54.4067, 54.1878,
76.4930

■ 57.8376, 55.6443,
90.7601

■ 60.7808, 56.9072,
102.3884

Harmonies

Analogous

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



47.4735, 47.1963, 14.8202



38.2967, 47.1963, 16.3239



31.8367, 47.1963, 25.2470

Triad

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



38.2967, 47.1963, 16.3239



34.4352, 47.1963, 105.2696



65.7153, 47.1963, 59.0923

Complementary

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



38.2967, 47.1963, 16.3239



18.4890, 13.6258, 50.9487

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.



61.0206, 47.1963, 91.2489



38.2967, 47.1963, 16.3239



42.3416, 47.1963, 123.4566

Square

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



38.2967, 47.1963, 16.3239



29.8386, 47.1963, 73.8303



52.1304, 47.1963, 117.5716



64.2249, 47.1963, 34.0290

Rectangle

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



38.2967, 47.1963, 16.3239



29.5037, 47.1963, 36.7356



52.1304, 47.1963, 117.5716



64.7871, 47.1963, 69.4971

Sweetspot

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



38.2978, 47.1984, 16.3249



81.2008, 90.0825, 72.6368



27.9742, 21.2327, 11.8571



17.6407, 19.6988, 15.2383



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.



38.2978, 47.1984, 16.3249



65.7888, 83.2527, 21.5275



28.9638, 42.3866, 15.8881



10.1819, 11.0482, 10.1725



22.2465, 29.6444, 4.5494



0.9092, 1.1807, 0.1800

Inverse Universe

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



18.4890, 13.6258, 50.9487



26.6460, 16.7991, 90.1173



26.0763, 17.5372, 51.3037



9.1424, 9.2903, 11.9836



6.5343, 2.6546, 32.5609



0.2979, 0.1256, 1.2774

Previews

White Background



This preview shows how the XYZ color 38.2967, 47.1963, 16.3239 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 38.2967, 47.1963, 16.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

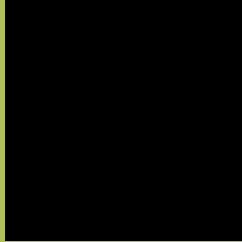
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2967, 47.1963, 16.3239

Background



This preview shows how black text looks on a background with the XYZ color 38.2967, 47.1963, 16.3239.



This preview shows how white text looks on a background with the XYZ color 38.2967, 47.1963,

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

38.2967, 47.1963, 16.3239

Protanopia

42.9303, 47.0794, 15.4189

Deuteranopia

47.8523, 46.9097, 16.8883



Tritanopia

46.7979, 47.2289, 57.6885

Trichromacy



Original Color

38.2967, 47.1963, 16.3239

Protanomaly

41.2309, 47.1272, 15.7274

Deuteranomaly

43.9417, 46.6632, 16.5885

Tritanomaly

42.8240, 46.8379, 37.7939

Monochromacy



Original Color

38.2967, 47.1963, 16.3239

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.1610, 44.1449, 32.4434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2967, 47.1963, 16.3239 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(176, 191, 88)` looks like.

```
.text, #text, p{  
    color:rgb(176, 191, 88)  
}
```

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(176, 191, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 191, 88) }
```

Border

The CSS property to change the border of an element to XYZ 38.2967, 47.1963, 16.3239 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(176, 191, 88) }
```


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

```
.border{ border-color:rgb(176, 191, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 191, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 191, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 191, 88);  
box-shadow:4px 4px 4px 4px rgb(176, 191,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2967, 47.1963, 16.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 191, 88) }
```

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

```
.background{ background-color: rgb(176,  
191, 88) }
```

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