

# Converting Colors

XYZ(38.0085, 46.4138, 19.2343)

Have a look what the booklet for  
XYZ(38.0085, 46.4138, 19.2343)  
contains.

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# Color

**XYZ(38.0021, 46.3334,  
19.2522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEBD65
RGB	174, 189, 101
RGB Percent	68%, 74%, 40%
CMY	0.3176, 0.2588, 0.6039
CMYK	0.08, 0.00, 0.47, 0.26
HSL	70°, 40%, 57%
HSV	70°, 47%, 74%
XYZ	38.0021, 46.3334, 19.2522
YIQ	174.4830, 19.3080, -30.5480

# Conversions

## Conversions Part 2

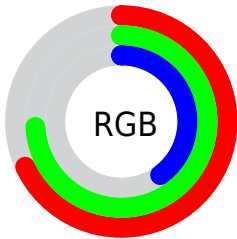
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 189, 116
Decimal	11451749
CIELab	73.76, -18.55, 42.51
CIELCh	74, 46.379, 113.580
Yxy	46.3334, 0.3669, 0.4473
Android (android.graphics.Color)	4289641829 (0xFFFAEBD65)
YUV	174.4830, -36.2271, -0.4236
Hunter-Lab	68.0686, -19.4652, 30.8788

# Details

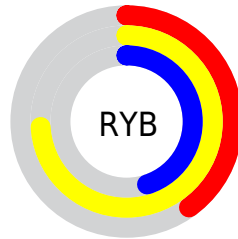
The XYZ color **38.0021, 46.3334, 19.2522** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.0431, 16.6956, 50.2602**, and the grayscale version is **40.6555, 42.7728, 46.5795**.

A 20% lighter version of the original color is **71.4401, 84.6268, 43.1412**, and **17.1474, 21.8404, 6.4438** is the 20% darker color. If you saturate the color by 10%, you get **36.4716, 45.6409, 14.8903**, and if you desaturate by 10%, it is **39.7651, 47.1242, 24.7384**.

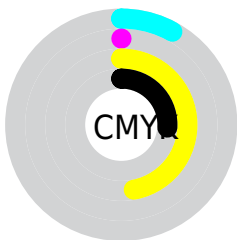
# Distribution



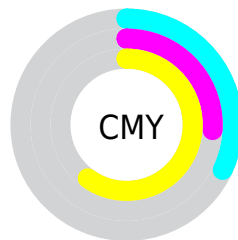
- Red (68%)
- Green (74%)
- Blue (40%)



- Red (40%)
- Yellow (74%)
- Blue (45%)



- Cyan (8%)
- Magenta (0%)
- Yellow (47%)
- Black (26%)



- Cyan (32%)
- Magenta (26%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0021, 46.3334, 19.2522 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 38.0021, 46.3334, 19.2522 by changing the saturation by 10% instead.



■ 38.0021, 46.3334,  
19.2522

■ 38.0021, 46.3334,  
19.2522

328.9097,  
372.1474, 260.3065

■ 26.1615, 32.5090,  
11.6740

■ 71.4152, 84.7177,  
43.0022

■ 17.0778, 21.7506,  
6.4023

■ 93.7185, 110.0465,  
60.0111

■ 10.3857, 13.6737,  
3.0185

■ 120.2401,  
139.9787, 81.0006

■ 5.7196, 7.8941,  
1.1041

■ 151.3453,  
174.8990, 106.3892

■ 2.7144, 4.0273,  
0.0000

187.3995,  
215.1916, 136.5956

■ 1.0046, 1.6888,  
0.0000

228.7681,

■ 0.0000, 0.4164,

261.2409, 172.0383

0.0000

275.8163,  
313.4314, 213.1357

■ 0.0000, 0.0000,  
0.0000

■ 38.0021, 46.3334,  
19.2522

■ 38.0021, 46.3334,  
19.2522

■ 36.4716, 45.6409,  
14.8903

■ 39.7651, 47.1242,  
24.7384

■ 35.1553, 45.0344,  
11.5718

■ 41.7706, 48.0123,  
31.4166

■ 34.0374, 44.5092,  
9.2098


■ 44.0323, 49.0050,  
39.3524


■ 33.0985, 44.0576,  
7.7020


■ 46.5617, 50.1067,  
48.6059


■ 32.3125, 43.6691,  
6.9126


■ 49.3695, 51.3219,  
59.2335

 32.0601, 43.5431,  
6.7149

 52.4660, 52.6546,  
71.2880

 55.8607, 54.1086,  
84.8197

 59.5628, 55.6877,  
99.8762

 60.8781, 56.3142,  
102.2688

# Harmonies

## Analogous

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



45.8331, 46.3334, 17.4675



38.0021, 46.3334, 19.2522



32.4843, 46.3334, 28.0282

# Triad

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



38.0021, 46.3334, 19.2522



35.2894, 46.3334, 96.4558



61.7254, 46.3334, 55.6924

# Complementary

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



38.0021, 46.3334, 19.2522



21.0431, 16.6956, 50.2602

# 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.



58.0512, 46.3334, 82.4522



38.0021, 46.3334, 19.2522



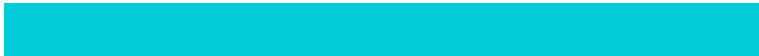
42.2914, 46.3334, 110.2760

# Square

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



38.0021, 46.3334, 19.2522



31.0600, 46.3334, 70.8552



50.6825, 46.3334, 104.4808



60.2062, 46.3334, 34.3935



# Rectangle

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



38.0021, 46.3334, 19.2522



30.5271, 46.3334, 38.6837



50.6825, 46.3334, 104.4808



61.0434, 46.3334, 64.3869

# Sweetspot

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



38.0032, 46.3355, 19.2532



79.8726, 88.2065, 74.1341



29.5438, 24.1737, 15.4214



16.9743, 18.8802, 15.2142



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



38.0032, 46.3355, 19.2532



65.2321, 81.6996, 26.4386



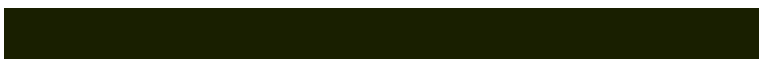
29.8053, 42.1093, 18.8695



10.1583, 11.0360, 10.1714



21.6262, 29.3246, 4.5204



0.8900, 1.1708, 0.1791



# Inverse Universe

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



21.0431, 16.6956, 50.2602



31.1565, 22.0770, 88.8454



28.2711, 20.4218, 50.5985



9.1641, 9.3015, 11.9846



6.6310, 2.7045, 32.5654



0.3074, 0.1305, 1.2778



# Previews

## White Background



This preview shows how the XYZ color 38.0021, 46.3334, 19.2522 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 38.0021, 46.3334, 19.2522 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 38.0021, 46.3334, 19.2522**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.0021, 46.3334, 19.2522.



This preview shows how white text looks on a background with the XYZ color 38.0021, 46.3334,



# 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

38.0021, 46.3334, 19.2522

### Protanopia

42.2817, 46.0717, 18.2195

### Deuteranopia

47.0086, 46.1227, 19.7896



## Tritanopia

45.7533, 46.4047, 56.9976

# Trichromacy



## Original Color

38.0021, 46.3334, 19.2522

## Protanomaly

40.6278, 46.1290, 18.5668

## Deuteranomaly

43.2474, 45.9362, 19.6839

## Tritanomaly

42.3347, 46.2288, 39.9495

# Monochromacy



## Original Color

38.0021, 46.3334, 19.2522

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

38.8421, 43.3455, 33.9231

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.0021, 46.3334, 19.2522 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(174, 189, 101)` looks like.

```
.text, #text, p{  
    color:rgb(174, 189, 101)  
}
```

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(174, 189, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 189, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 38.0021, 46.3334, 19.2522 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(174, 189, 101) }
```



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

```
.border{ border-color:rgb(174, 189, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 189, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 189, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 189, 101);  
box-shadow:4px 4px 4px 4px rgb(174, 189,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.0021, 46.3334, 19.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 189, 101) }
```

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

```
.background{ background-color: rgb(174,  
189, 101) }
```

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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