

# Converting Colors

XYZ(38.4980, 50.9855, 21.1226)

Have a look what the booklet for  
XYZ(38.4980, 50.9855, 21.1226)  
contains.

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# Color

**XYZ(38.3683, 50.8380,  
21.1551)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1CA69
RGB	161, 202, 105
RGB Percent	63%, 79%, 41%
CMY	0.3686, 0.2078, 0.5882
CMYK	0.20, 0.00, 0.48, 0.21
HSL	85°, 48%, 60%
HSV	85°, 48%, 79%
XYZ	38.3683, 50.8380, 21.1551
YIQ	178.6830, 6.7010, -38.8590

# Conversions

## Conversions Part 2

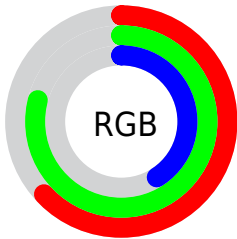
Format	Color
<a href="#">RYB</a>	105, 202, 146
Decimal	10603113
CIELab	76.58, -29.53, 43.78
CIELCh	77, 52.810, 123.994
Yxy	50.8380, 0.3477, 0.4607
Android (android.graphics.Color)	4288793193 (0xFFA1CA69)
YUV	178.6830, -36.3257, -15.5080
Hunter-Lab	71.3008, -28.7221, 32.3191

# Details

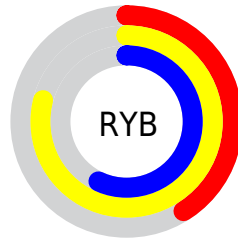
The XYZ color **38.3683, 50.8380, 21.1551** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.5683, 20.4798, 58.3799**, and the grayscale version is **42.8648, 45.0971, 49.1107**.

A 20% lighter version of the original color is **70.5468, 88.7403, 45.7581**, and **17.3192, 24.5720, 7.3201** is the 20% darker color. If you saturate the color by 10%, you get **35.7888, 49.6159, 16.2438**, and if you desaturate by 10%, it is **41.3144, 52.2238, 27.3729**.

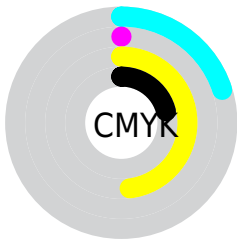
# Distribution



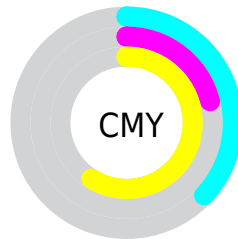
- Red (63%)
- Green (79%)
- Blue (41%)



- Red (41%)
- Yellow (79%)
- Blue (57%)



- Cyan (20%)
- Magenta (0%)
- Yellow (48%)
- Black (21%)



- Cyan (37%)
- Magenta (21%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3683, 50.8380, 21.1551 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 38.3683, 50.8380, 21.1551 by changing the saturation by 10% instead.



■ 38.3683, 50.8380,  
21.1551

■ 38.3683, 50.8380,  
21.1551

330.4509,  
389.9341, 270.9097

■ 26.4472, 36.0797,  
13.0451

■ 71.9726, 91.4153,  
46.2297

■ 17.2929, 24.4958,  
7.3285

■ 94.3864, 118.0030,  
64.0313

■ 10.5401, 15.7018,  
3.5868

■ 121.0285,  
149.3027, 85.9005

■ 5.8235, 9.3134,  
1.4015

■ 152.2643,  
185.6987, 112.2559

■ 2.7777, 4.9461,  
0.1429

188.4591,  
227.5755, 143.5159

■ 1.0373, 2.2157,  
0.0000

229.9782,

■ 0.0000, 0.7285,

275.3174, 180.0992

0.0000

277.1870,  
329.3088, 222.4243

■ 0.0000, 0.0000,  
0.0000

■ 38.3683, 50.8380,  
21.1551

■ 38.3683, 50.8380,  
21.1551

■ 35.7888, 49.6159,  
16.2438

■ 41.3144, 52.2238,  
27.3729

■ 33.5523, 48.5425,  
12.5420

■ 44.6417, 53.7742,  
34.9781

■ 31.6372, 47.6108,  
9.9450


■ 48.3683, 55.4984,  
44.0492


■ 30.0178, 46.8100,  
8.3283


■ 52.5099, 57.4030,  
54.6578

■ 28.6562, 46.1249,  
7.5075


■ 57.0812, 59.4940,  
66.8707

 28.4060, 45.9984,  
7.3814

 62.0963, 61.7774,  
80.7508

 67.5684, 64.2586,  
96.3576

 71.5845, 66.1726,  
103.6074

 74.3817, 67.6146,  
103.7383

# Harmonies

## Analogous

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



46.9961, 50.8380, 16.6453



38.3683, 50.8380, 21.1551



33.0480, 50.8380, 34.5899

# Triad

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



38.3683, 50.8380, 21.1551



40.3872, 50.8380, 120.8694



70.0947, 50.8380, 51.6148

# Complementary

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



38.3683, 50.8380, 21.1551



27.5683, 20.4798, 58.3799

# 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.



67.6933, 50.8380, 83.1071



38.3683, 50.8380, 21.1551



49.6685, 50.8380, 130.2400

# Square

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



38.3683, 50.8380, 21.1551



34.0961, 50.8380, 92.1040



59.8589, 50.8380, 114.5424



66.0341, 50.8380, 29.9680

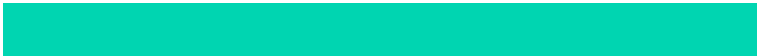


# Rectangle

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



38.3683, 50.8380, 21.1551



31.6424, 50.8380, 49.8020



59.8589, 50.8380, 114.5424



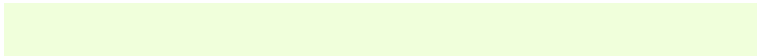
70.0195, 50.8380, 61.3039

# Sweetspot

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



38.3695, 50.8402, 21.1562



84.4900, 95.1596, 81.1396



37.0980, 33.9566, 17.9643



17.7637, 20.2204, 16.5547



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.



38.3695, 50.8402, 21.1562



60.2792, 83.8529, 26.9457



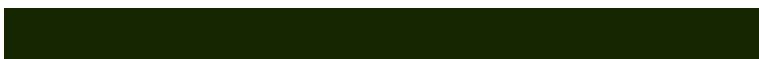
30.4927, 46.7796, 20.7876



11.6778, 12.8513, 11.9445



18.3816, 29.6514, 4.7545



1.0338, 1.5738, 0.2493



# Inverse Universe

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



27.5683, 20.4798, 58.3799



39.8135, 26.2600, 97.5780



37.9409, 25.8271, 58.8653



11.0437, 11.0719, 14.1254



9.3905, 4.0485, 36.2428



0.5705, 0.2532, 1.8737



# Previews

## White Background



This preview shows how the XYZ color 38.3683, 50.8380, 21.1551 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 38.3683, 50.8380, 21.1551 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 38.3683, 50.8380, 21.1551**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3683, 50.8380, 21.1551.



This preview shows how white text looks on a background with the XYZ color 38.3683, 50.8380,



# 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

38.3683, 50.8380, 21.1551

### Protanopia

46.5103, 50.7252, 19.3962

### Deuteranopia

51.4488, 50.4263, 21.7735



## Tritanopia

47.4506, 50.8318, 65.7031

# Trichromacy



## Original Color

38.3683, 50.8380, 21.1551

## Protanomaly

43.1759, 50.6192, 20.0653

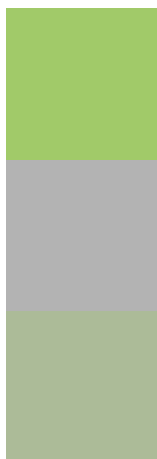
## Deuteranomaly

45.5918, 49.8865, 21.4135

## Tritanomaly

43.2541, 50.4408, 44.9924

# Monochromacy



## Original Color

38.3683, 50.8380, 21.1551

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

40.4511, 46.5783, 36.5643

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3683, 50.8380, 21.1551 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(161, 202, 105)` looks like.

```
.text, #text, p{  
    color:rgb(161, 202, 105)  
}
```

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(161, 202, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 202, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3683, 50.8380, 21.1551 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(161, 202, 105) }
```



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

```
.border{ border-color:rgb(161, 202, 105) }
```

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

Here you see how a box with a 4 pixel rgb(161, 202, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 202, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 202, 105);  
box-shadow:4px 4px 4px 4px rgb(161, 202,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3683, 50.8380, 21.1551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 202, 105) }
```

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

```
.background{ background-color: rgb(161,  
202, 105) }
```

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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