

Converting Colors

XYZ(38.5354, 51.6434, 20.7760)

Have a look what the booklet for
XYZ(38.5354, 51.6434, 20.7760)
contains.

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Color

**XYZ(38.5383, 51.6386,
20.7680)**

Conversions

Conversions Part 1

Format	Color
Hex	A0CC67
RGB	160, 204, 103
RGB Percent	63%, 80%, 40%
CMY	0.3725, 0.2000, 0.5961
CMYK	0.22, 0.00, 0.50, 0.20
HSL	86°, 50%, 60%
HSV	86°, 50%, 80%
XYZ	38.5383, 51.6386, 20.7680
YIQ	179.3300, 6.1970, -40.7390

Conversions

Conversions Part 2

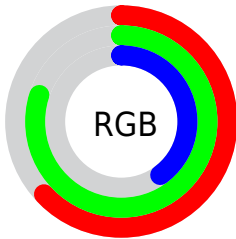
Format	Color
RYB	103, 204, 147
Decimal	10538087
CIELab	77.06, -31.07, 45.33
CIELCh	77, 54.953, 124.424
Yxy	51.6386, 0.3474, 0.4654
Android (android.graphics.Color)	4288728167 (0xFFA0CC67)
YUV	179.3300, -37.6307, -16.9524
Hunter-Lab	71.8600, -30.0260, 33.1668

Details

The XYZ color **38.5383, 51.6386, 20.7680** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.7840, 20.2646, 59.5767**, and the grayscale version is **43.2174, 45.4680, 49.5147**.

A 20% lighter version of the original color is **70.0797, 88.5192, 44.8448**, and **17.4700, 25.1248, 7.1776** is the 20% darker color. If you saturate the color by 10%, you get **35.9233, 50.3964, 15.9374**, and if you desaturate by 10%, it is **41.5327, 53.0508, 26.9223**.

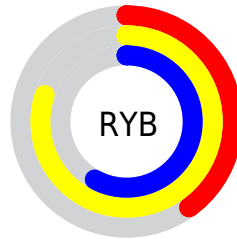
Distribution



Red (63%)

Green (80%)

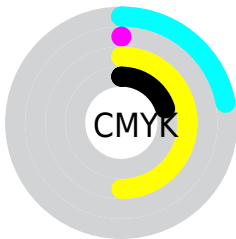
Blue (40%)



Red (40%)

Yellow (80%)

Blue (58%)

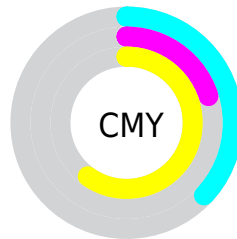


Cyan (22%)

Magenta (0%)

Yellow (50%)

Black (20%)



Cyan (37%)


Magenta (20%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5383, 51.6386, 20.7680 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 38.5383, 51.6386, 20.7680 by changing the saturation by 10% instead.


 38.5383, 51.6386,
20.7680


 38.5383, 51.6386,
20.7680


331.1646,
393.0398, 268.7834


 26.5799, 36.7171,
12.7649


 72.2311, 92.5980,
45.5769


 17.3929, 24.9885,
7.1381


 94.6961, 119.4047,
63.2198

 10.6120, 16.0685,
3.4688


 121.3940,
150.9420, 84.9130

 5.8720, 9.5726,
1.3387

 152.6902,
187.5941, 111.0751

 2.8073, 5.1165,
0.0932

188.9500,
229.7456, 142.1247

 1.0527, 2.3158,
0.0000

230.5387,

 0.0000, 0.7821,

277.7808, 178.4802

0.0000

277.8218,
332.0840, 220.5603

■ 0.0000, 0.0000,
0.0000

■ 38.5383, 51.6386,
20.7680

■ 38.5383, 51.6386,
20.7680

■ 35.9233, 50.3964,
15.9374

■ 41.5327, 53.0508,
26.9223

■ 33.6629, 49.3086,
12.3298

■ 44.9218, 54.6341,
34.4847

■ 31.7344, 48.3676,
9.8352


■ 48.7248, 56.3982,
43.5365


■ 30.1102, 47.5621,
8.3225


■ 52.9579, 58.3499,
54.1518


■ 28.7436, 46.8731,
7.5612


■ 57.6368, 60.4956,
66.3998

 28.6806, 46.8412,
7.5296

 62.7759, 62.8416,
80.3455

 68.3893, 65.3936,
96.0504

 72.6327, 67.4142,
103.7918

 75.5766, 68.9319,
103.9296

Harmonies

Analogous

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



47.5414, 51.6386, 16.0577



38.5383, 51.6386, 20.7680



33.0421, 51.6386, 34.7921

Triad

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



38.5383, 51.6386, 20.7680



40.8778, 51.6386, 126.0882



72.0637, 51.6386, 51.8863

Complementary

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



38.5383, 51.6386, 20.7680



27.7840, 20.2646, 59.5767

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.



69.6163, 51.6386, 85.0337



38.5383, 51.6386, 20.7680



50.6533, 51.6386, 135.7270

Square

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



38.5383, 51.6386, 20.7680



34.2517, 51.6386, 95.6135



61.3897, 51.6386, 118.6069



67.6706, 51.6386, 29.4832

Rectangle

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



38.5383, 51.6386, 20.7680



31.6181, 51.6386, 50.7972



61.3897, 51.6386, 118.6069



72.0181, 51.6386, 62.0277

Sweetspot

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



38.5396, 51.6409, 20.7691



83.6245, 94.7520, 79.3568



37.7494, 34.6134, 17.5241



17.5845, 20.1356, 16.2034



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.



38.5396, 51.6409, 20.7691



59.3854, 83.4074, 26.2130



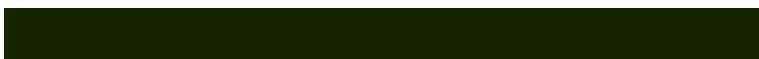
30.4399, 47.4653, 20.3901



11.6636, 12.8440, 11.9438



18.1595, 29.5369, 4.7441



1.0229, 1.5682, 0.2488

Inverse Universe

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



27.7840, 20.2646, 59.5767



39.6545, 25.7887, 97.4954



38.8472, 25.9678, 60.0945



11.0577, 11.0790, 14.1260



9.5485, 4.1299, 36.2502



0.5791, 0.2577, 1.8742

Previews

White Background



This preview shows how the XYZ color 38.5383, 51.6386, 20.7680 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 38.5383, 51.6386, 20.7680 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 38.5383, 51.6386, 20.7680

Background



This preview shows how black text looks on a background with the XYZ color 38.5383, 51.6386, 20.7680.



This preview shows how white text looks on a background with the XYZ color 38.5383, 51.6386,

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

38.5383, 51.6386, 20.7680

Protanopia

46.9126, 51.2641, 18.9777

Deuteranopia

52.2392, 51.1408, 21.5859



Tritanopia

47.6904, 51.2520, 67.0536

Trichromacy



Original Color

38.5383, 51.6386, 20.7680

Protanomaly

43.3012, 51.0267, 19.6235

Deuteranomaly

46.0283, 50.4359, 21.2191

Tritanomaly

43.3578, 50.8172, 45.5537

Monochromacy



Original Color

38.5383, 51.6386, 20.7680

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.5824, 46.9715, 36.2056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5383, 51.6386, 20.7680 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, 204, 103)` looks like.

```
.text, #text, p{  
    color:rgb(160, 204, 103)  
}
```

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, 204, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 204, 103) }
```

Border

The CSS property to change the border of an element to XYZ 38.5383, 51.6386, 20.7680 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, 204, 103) }
```


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

```
.border{ border-color:rgb(160, 204, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 204, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 204, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 204, 103);  
box-shadow:4px 4px 4px 4px rgb(160, 204,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5383, 51.6386, 20.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 204, 103) }
```

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

```
.background{ background-color: rgb(160,  
204, 103) }
```

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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