

Converting Colors

XYZ(38.6647, 49.8249, 21.5840)

Have a look what the booklet for
XYZ(38.6647, 49.8249, 21.5840)
contains.

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Color

**XYZ(38.8032, 50.0154,
21.5187)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C76B
RGB	166, 199, 107
RGB Percent	65%, 78%, 42%
CMY	0.3490, 0.2196, 0.5804
CMYK	0.17, 0.00, 0.46, 0.22
HSL	82°, 45%, 60%
HSV	82°, 46%, 78%
XYZ	38.8032, 50.0154, 21.5187
YIQ	178.6450, 9.8640, -35.6080

Conversions

Conversions Part 2

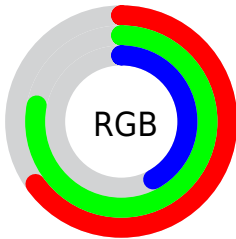
Format	Color
RYB	107, 199, 140
Decimal	10930027
CIELab	76.08, -25.97, 42.26
CIElCh	76, 49.602, 121.574
Yxy	50.0154, 0.3517, 0.4533
Android (android.graphics.Color)	4289120107 (0xFFA6C76B)
YUV	178.6450, -35.3210, -11.0897
Hunter-Lab	70.7216, -25.8241, 31.4647

Details

The XYZ color **38.8032, 50.0154, 21.5187** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.3837, 20.2157, 56.5471**, and the grayscale version is **42.8382, 45.0691, 49.0803**.

A 20% lighter version of the original color is **72.2294, 89.5877, 46.7430**, and **17.5213, 23.9811, 7.4467** is the 20% darker color. If you saturate the color by 10%, you get **36.4196, 48.8955, 16.5570**, and if you desaturate by 10%, it is **41.5133, 51.2789, 27.7554**.

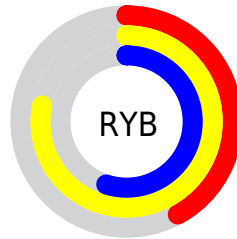
Distribution



Red (65%)

Green (78%)

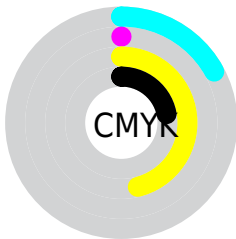
Blue (42%)



Red (42%)

Yellow (78%)

Blue (55%)

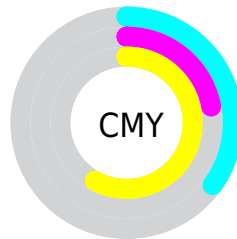


Cyan (17%)

Magenta (0%)

Yellow (46%)

Black (22%)



Cyan (35%)

Magenta (22%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8032, 50.0154, 21.5187 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 38.8032, 50.0154, 21.5187 by changing the saturation by 10% instead.

■ 38.8032, 50.0154,
21.5187

■ 38.8032, 50.0154,
21.5187

332.2746,
386.7262, 272.8934

■ 26.7867, 35.4256,
13.3088

■ 72.6336, 90.1977,
46.8412

■ 17.5489, 23.9909,
7.5083

■ 95.1782, 116.5590,
64.7907

■ 10.7243, 15.3269,
3.6987

■ 121.9628,
147.6130, 86.8240

■ 5.9477, 9.0491,
1.4616

■ 153.3529,
183.7440, 113.3594

■ 2.8537, 4.7732,
0.1890

189.7138,
225.3364, 144.8155

■ 1.0768, 2.1148,
0.0000

231.4108,

■ 0.0056, 0.6730,

272.7746, 181.6108

0.0000

278.8093,
326.4431, 224.1639

■ 0.0000, 0.0000,
0.0000

■ 38.8032, 50.0154,
21.5187

■ 38.8032, 50.0154,
21.5187

■ 36.4196, 48.8955,
16.5570

■ 41.5133, 51.2789,
27.7554

■ 34.3407, 47.9053,
12.7787

■ 44.5628, 52.6862,
35.3437

■ 32.5474, 47.0386,
10.0852


■ 47.9680, 54.2456,
44.3581


■ 31.0165, 46.2860,
8.3607


■ 51.7430, 55.9630,
54.8668


■ 29.7184, 45.6354,
7.4576


■ 55.9013, 57.8439,
66.9333

 29.2687, 45.4084,
7.2221

 60.4553, 59.8934,
80.6177

 65.4170, 62.1165,
95.9769

 68.9405, 63.7748,
103.2840

 71.1883, 64.9336,
103.3891

Harmonies

Analogous

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



47.0503, 50.0154, 17.7099



38.8032, 50.0154, 21.5187



33.5233, 50.0154, 33.5943

Triad

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



38.8032, 50.0154, 21.5187



39.5485, 50.0154, 112.8132



67.6734, 50.0154, 53.0683

Complementary

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



38.8032, 50.0154, 21.5187



26.3837, 20.2157, 56.5471

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.



64.9985, 50.0154, 82.5501



38.8032, 50.0154, 21.5187



48.0293, 50.0154, 123.0797

Square

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



38.8032, 50.0154, 21.5187



33.9126, 50.0154, 85.7961



57.4944, 50.0154, 110.5502



64.3973, 50.0154, 31.8652

Rectangle

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



38.8032, 50.0154, 21.5187



31.9969, 50.0154, 47.3156



57.4944, 50.0154, 110.5502



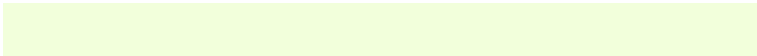
67.4387, 50.0154, 62.2858

Sweetspot

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



38.8044, 50.0176, 21.5198



85.2700, 95.5617, 81.1761



35.4705, 31.7285, 18.1653



17.9541, 20.3186, 16.5636



0.0000, 0.0000, 0.0000



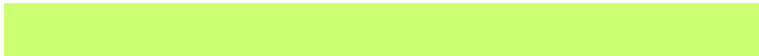
20.3446, 21.4041, 23.3091

Same Dimension

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



38.8044, 50.0176, 21.5198



63.9308, 85.6868, 29.3140



30.9360, 45.9613, 21.1515



11.1406, 12.2194, 11.3342



18.9179, 29.2478, 4.6483



0.9727, 1.4246, 0.2237

Inverse Universe

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



26.3837, 20.2157, 56.5471



39.6823, 27.4306, 97.8109



35.6242, 24.9794, 56.9796



10.4098, 10.4695, 13.3897



8.4056, 3.5675, 34.9899



0.4770, 0.2097, 1.6605

Previews

White Background



This preview shows how the XYZ color 38.8032, 50.0154, 21.5187 looks on a white background.

Color Contrast Check

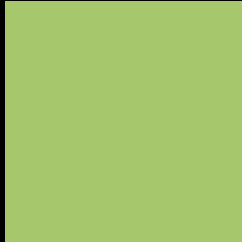
Large Text (above 18pt) WCAG AA × Fail

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 38.8032, 50.0154, 21.5187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

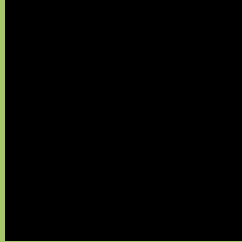
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8032, 50.0154, 21.5187

Background



This preview shows how black text looks on a background with the XYZ color 38.8032, 50.0154, 21.5187.



This preview shows how white text looks on a background with the XYZ color 38.8032, 50.0154,

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

38.8032, 50.0154, 21.5187

Protanopia

45.6721, 49.6417, 20.0066

Deuteranopia

50.7233, 49.7409, 22.2568



Tritanopia

47.3531, 49.8619, 63.6285

Trichromacy



Original Color

38.8032, 50.0154, 21.5187

Protanomaly

42.6153, 49.3374, 20.3737

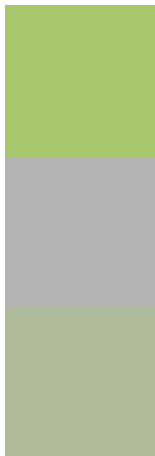
Deuteranomaly

45.5502, 49.2227, 21.8520

Tritanomaly

43.3731, 49.5251, 44.3191

Monochromacy



Original Color

38.8032, 50.0154, 21.5187

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.7642, 46.4164, 36.9477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8032, 50.0154, 21.5187 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(166, 199, 107)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 107)  
}
```

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(166, 199, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 107) }
```

Border

The CSS property to change the border of an element to XYZ 38.8032, 50.0154, 21.5187 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(166, 199, 107) }
```


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

```
.border{ border-color:rgb(166, 199, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 199, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 199, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 199, 107); box-shadow:4px 4px 4px 4px rgb(166, 199, 107) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8032, 50.0154, 21.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 199, 107) }
```

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

```
.background{ background-color: rgb(166,  
199, 107) }
```

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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