

Converting Colors

XYZ(38.1678, 48.6903, 22.1085)

Have a look what the booklet for
XYZ(38.1678, 48.6903, 22.1085)
contains.

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Color

**XYZ(38.0715, 48.6050,
22.1270)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C46E
RGB	165, 196, 110
RGB Percent	65%, 77%, 43%
CMY	0.3529, 0.2314, 0.5686
CMYK	0.16, 0.00, 0.44, 0.23
HSL	82°, 42%, 60%
HSV	82°, 44%, 77%
XYZ	38.0715, 48.6050, 22.1270
YIQ	176.9270, 9.1300, -33.3180

Conversions

Conversions Part 2

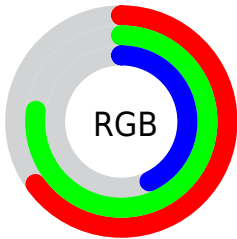
Format	Color
RYB	110, 196, 141
Decimal	10863726
CIELab	75.20, -24.55, 39.67
CIELCh	75, 46.649, 121.756
Yxy	48.6050, 0.3499, 0.4467
Android (android.graphics.Color)	4289053806 (0xFFA5C46E)
YUV	176.9270, -32.9950, -10.4600
Hunter-Lab	69.7173, -24.5292, 29.9845

Details

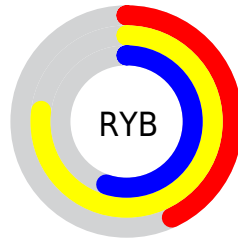
The XYZ color **38.0715, 48.6050, 22.1270** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.5262, 20.8014, 54.8443**, and the grayscale version is **41.9172, 44.1001, 48.0250**.

A 20% lighter version of the original color is **71.5549, 88.2671, 47.9162**, and **17.0442, 23.0518, 7.8261** is the 20% darker color. If you saturate the color by 10%, you get **35.6912, 47.4894, 17.0481**, and if you desaturate by 10%, it is **40.7715, 49.8612, 28.4549**.

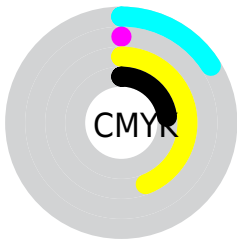
Distribution



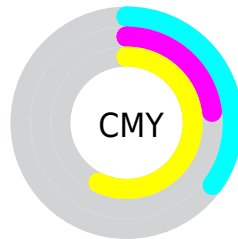
- Red (65%)
- Green (77%)
- Blue (43%)



- Red (43%)
- Yellow (77%)
- Blue (55%)



- Cyan (16%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)





- Cyan (35%)
- Magenta (23%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0715, 48.6050, 22.1270 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 38.0715, 48.6050, 22.1270 by changing the saturation by 10% instead.


 38.0715, 48.6050,
22.1270


 38.0715, 48.6050,
22.1270


329.2021,
381.1852, 276.1839

 26.2157, 34.3062,
13.7510


 71.5209, 88.1045,
47.8607


 17.1186, 23.1290,
7.8109


 93.8452, 114.0741,
66.0555

 10.4149, 14.6888,
3.8882


 120.3896,
144.7026, 88.3603

 5.7393, 8.6012,
1.5642

 151.5196,
180.3747, 115.1937

 2.7263, 4.4820,
0.2651

187.6005,
221.4746, 146.9743

 1.0108, 1.9467,
0.0000

228.9977,

 0.0000, 0.5762,

268.3867, 184.1204

0.0000

276.0764,
321.4954, 227.0508

■ 0.0000, 0.0000,
0.0000

■ 38.0715, 48.6050,
22.1270

■ 38.0715, 48.6050,
22.1270

■ 35.6912, 47.4894,
17.0481

■ 40.7715, 49.8612,
28.4549

■ 33.6100, 46.5010,
13.1321

■ 43.8031, 51.2579,
36.1041

■ 31.8100, 45.6342,
10.2870


■ 47.1820, 52.8031,
45.1449


■ 30.2696, 44.8801,
8.4056


■ 50.9216, 54.5025,
55.6420


■ 28.9627, 44.2282,
7.3582


■ 55.0346, 56.3612,
67.6558

 28.2487, 43.8678,
6.9785

 59.5330, 58.3841,
81.2434

 64.4281, 60.5759,
96.4588

 67.7711, 62.1573,
103.0334

 69.9750, 63.2934,
103.1365

Harmonies

Analogous

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



45.6955, 48.6050, 18.4250



38.0715, 48.6050, 22.1270



33.1717, 48.6050, 33.6167

Triad

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



38.0715, 48.6050, 22.1270



38.8439, 48.6050, 106.2016



64.6622, 48.6050, 51.4923

Complementary

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



38.0715, 48.6050, 22.1270



26.5262, 20.8014, 54.8443

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.



62.2524, 48.6050, 78.4864



38.0715, 48.6050, 22.1270



46.7034, 48.6050, 115.3380

Square

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



38.0715, 48.6050, 22.1270



33.5774, 48.6050, 81.7826



55.4048, 48.6050, 103.9218



61.6396, 48.6050, 31.8030

Rectangle

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



38.0715, 48.6050, 22.1270



31.7585, 48.6050, 46.4524



55.4048, 48.6050, 103.9218



64.4594, 48.6050, 59.9673

Sweetspot

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



38.0727, 48.6071, 22.1280



85.9039, 95.8493, 82.9750



34.9739, 31.6486, 19.0180



18.0792, 20.3754, 16.9175



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.



38.0727, 48.6071, 22.1280



64.6718, 86.0340, 30.9193



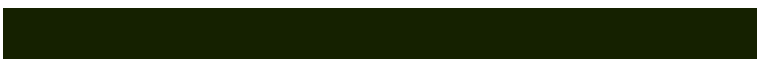
30.7101, 44.8116, 21.7835



10.5498, 11.5709, 10.7392



18.2469, 28.2355, 4.4883



0.8615, 1.2577, 0.1973

Inverse Universe

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



26.5262, 20.8014, 54.8443



41.0190, 29.0047, 98.0443



35.0938, 25.2182, 55.2453



9.8634, 9.9207, 12.6799



8.1422, 3.4579, 33.7949



0.4276, 0.1885, 1.4637

Previews

White Background



This preview shows how the XYZ color 38.0715, 48.6050, 22.1270 looks on a white background.

Color Contrast Check

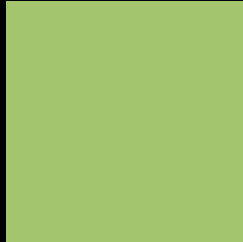
Large Text (above 18pt) WCAG AA × Fail

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 38.0715, 48.6050, 22.1270 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 38.0715, 48.6050, 22.1270

Background



This preview shows how black text looks on a background with the XYZ color 38.0715, 48.6050, 22.1270.



This preview shows how white text looks on a background with the XYZ color 38.0715, 48.6050,

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

38.0715, 48.6050, 22.1270

Protanopia

44.5791, 48.4350, 20.6350

Deuteranopia

49.0513, 47.9764, 22.8948



Tritanopia

46.1157, 48.6351, 61.6005

Trichromacy



Original Color

38.0715, 48.6050, 22.1270

Protanomaly

41.8377, 48.2755, 21.0229

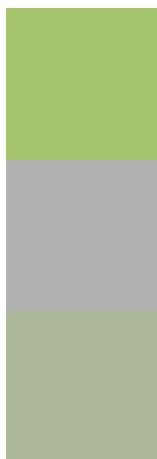
Deuteranomaly

44.2712, 47.6158, 22.4802

Tritanomaly

42.6221, 48.5012, 43.6745

Monochromacy



Original Color

38.0715, 48.6050, 22.1270

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.1238, 45.4651, 36.7979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0715, 48.6050, 22.1270 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(165, 196, 110)` looks like.

```
.text, #text, p{  
    color:rgb(165, 196, 110)  
}
```

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(165, 196, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 196, 110) }
```

Border

The CSS property to change the border of an element to XYZ 38.0715, 48.6050, 22.1270 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(165, 196, 110) }
```


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

```
.border{ border-color:rgb(165, 196, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 196, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 196, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 196, 110);  
box-shadow:4px 4px 4px 4px rgb(165, 196,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0715, 48.6050, 22.1270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 196, 110) }
```

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

```
.background{ background-color: rgb(165,  
196, 110) }
```

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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