

Converting Colors

XYZ(38.0468, 46.8497, 22.4256)

Have a look what the booklet for
XYZ(38.0468, 46.8497, 22.4256)
contains.

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Color

**XYZ(38.1330, 46.9775,
22.3870)**

Conversions

Conversions Part 1

Format	Color
Hex	AABF70
RGB	170, 191, 112
RGB Percent	67%, 75%, 44%
CMY	0.3333, 0.2510, 0.5608
CMYK	0.11, 0.00, 0.41, 0.25
HSL	76°, 38%, 59%
HSV	76°, 41%, 75%
XYZ	38.1330, 46.9775, 22.3870
YIQ	175.7150, 12.8430, -29.0210

Conversions

Conversions Part 2

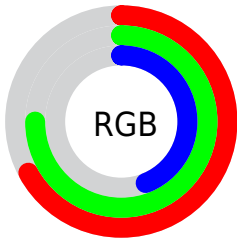
Format	Color
RYB	112, 191, 133
Decimal	11190128
CIELab	74.18, -19.92, 37.43
CIELCh	74, 42.400, 118.015
Yxy	46.9775, 0.3547, 0.4370
Android (android.graphics.Color)	4289380208 (0xFFAABF70)
YUV	175.7150, -31.4115, -5.0121
Hunter-Lab	68.5401, -20.6349, 28.6124

Details

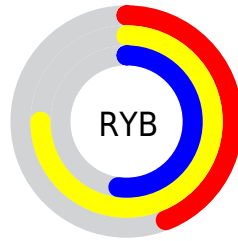
The XYZ color **38.1330, 46.9775, 22.3870** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.8729, 20.3378, 51.9075**, and the grayscale version is **41.2731, 43.4225, 47.2871**.

A 20% lighter version of the original color is **71.4163, 85.4069, 48.3184**, and **17.1604, 22.2378, 7.9453** is the 20% darker color. If you saturate the color by 10%, you get **36.1040, 46.0432, 17.3175**, and if you desaturate by 10%, it is **40.4323, 48.0281, 28.6486**.

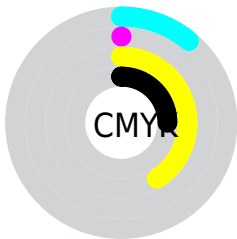
Distribution



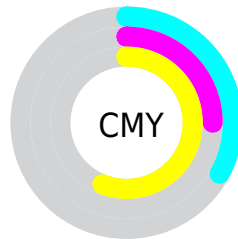
- Red (67%)
- Green (75%)
- Blue (44%)



- Red (44%)
- Yellow (75%)
- Blue (52%)



- Cyan (11%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)



- Cyan (33%)
- Magenta (25%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1330, 46.9775, 22.3870 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 38.1330, 46.9775, 22.3870 by changing the saturation by 10% instead.

■ 38.1330, 46.9775,
22.3870

■ 38.1330, 46.9775,
22.3870

329.4612,
374.7247, 277.5798

■ 26.2636, 33.0179,
13.9405

■ 71.6145, 85.6800,
48.2952

■ 17.1547, 22.1401,
7.9410

■ 93.9574, 111.1917,
66.5939

■ 10.4408, 13.9599,
3.9700

■ 120.5221,
141.3229, 89.0138

■ 5.7567, 8.0928,
1.6089

■ 151.6741,
176.4579, 115.9734

■ 2.7370, 4.1544,
0.2972

187.7786,
216.9812, 147.8913

■ 1.0162, 1.7603,
0.0000

229.2010,

■ 0.0000, 0.4622,

263.2772, 185.1860

0.0000

276.3068,
315.7302, 228.2760

■ 0.0000, 0.0000,
0.0000

■ 38.1330, 46.9775,
22.3870

■ 38.1330, 46.9775,
22.3870

■ 36.1040, 46.0432,
17.3175

■ 40.4323, 48.0281,
28.6486

■ 34.3271, 45.2128,
13.3613

■ 43.0121, 49.1943,
36.1685

■ 32.7868, 44.4820,
10.4348


■ 45.8861, 50.4832,
45.0116


■ 31.4643, 43.8429,
8.4414

■ 49.0661, 51.8995,
55.2373


■ 30.3373, 43.2868,
7.2663


■ 52.5631, 53.4477,
66.9015

 29.4844, 42.8584,
6.7185

 56.3876, 55.1321,
80.0572

 60.5495, 56.9566,
94.7545

 63.4389, 58.2774,
102.5128

 64.9135, 59.0376,
102.5818

Harmonies

Analogous

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



45.1587, 46.9775, 19.6909



38.1330, 46.9775, 22.3870



33.3683, 46.9775, 32.0318

Triad

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



38.1330, 46.9775, 22.3870



37.3494, 46.9775, 95.4887



60.9039, 46.9775, 52.6136

Complementary

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



38.1330, 46.9775, 22.3870



24.8729, 20.3378, 51.9075

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.



58.2266, 46.9775, 76.6733



38.1330, 46.9775, 22.3870



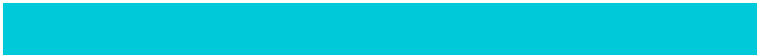
44.1465, 46.9775, 105.4074

Square

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



38.1330, 46.9775, 22.3870



32.9533, 46.9775, 73.4320



51.8717, 46.9775, 97.7030



58.8327, 46.9775, 33.9047

Rectangle

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



38.1330, 46.9775, 22.3870



31.8281, 46.9775, 42.9435



51.8717, 46.9775, 97.7030



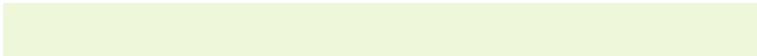
60.5237, 46.9775, 60.3417

Sweetspot

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



38.1342, 46.9796, 22.3880



81.7309, 90.2110, 79.2069



32.6296, 28.6825, 19.1464



17.7925, 19.7402, 16.9088



92.9021, 97.7402, 106.4391



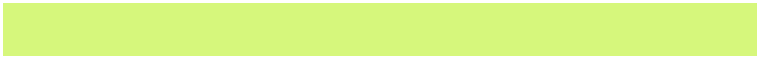
19.4759, 20.4902, 22.3138

Same Dimension

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



38.1342, 46.9796, 22.3880



64.8539, 82.5495, 31.4767



31.0337, 43.3192, 22.0557



10.0680, 10.9895, 10.1672



19.4551, 28.2053, 4.4188



0.8208, 1.1351, 0.1758

Inverse Universe

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



24.8729, 20.3378, 51.9075



37.8279, 28.1946, 91.7275



32.0489, 24.0371, 52.2434



9.2481, 9.3448, 11.9885



7.1364, 2.9650, 32.5891



0.3439, 0.1493, 1.2796

Previews

White Background



This preview shows how the XYZ color 38.1330, 46.9775, 22.3870 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 38.1330, 46.9775, 22.3870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

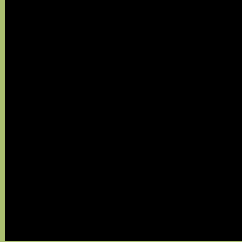
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1330, 46.9775, 22.3870

Background



This preview shows how black text looks on a background with the XYZ color 38.1330, 46.9775, 22.3870.



This preview shows how white text looks on a background with the XYZ color 38.1330, 46.9775,

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

38.1330, 46.9775, 22.3870

Protanopia

43.0415, 46.7021, 21.2139

Deuteranopia

47.5019, 46.5931, 23.0128



Tritanopia

45.4303, 46.8116, 58.2709

Trichromacy



Original Color

38.1330, 46.9775, 22.3870

Protanomaly

40.9025, 46.5151, 21.5744

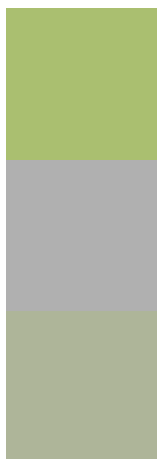
Deuteranomaly

43.5032, 46.2978, 22.8632

Tritanomaly

42.2720, 46.7616, 42.3952

Monochromacy



Original Color

38.1330, 46.9775, 22.3870

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.7292, 44.3463, 36.6027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1330, 46.9775, 22.3870 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(170, 191, 112)` looks like.

```
.text, #text, p{  
    color:rgb(170, 191, 112)  
}
```

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(170, 191, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 191, 112) }
```

Border

The CSS property to change the border of an element to XYZ 38.1330, 46.9775, 22.3870 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(170, 191, 112) }
```


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

```
.border{ border-color:rgb(170, 191, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 191, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 191, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 191, 112);  
box-shadow:4px 4px 4px 4px rgb(170, 191,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1330, 46.9775, 22.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 191, 112) }
```

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

```
.background{ background-color: rgb(170,  
191, 112) }
```

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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