

Converting Colors

XYZ(38.1492, 46.2193, 31.5946)

Have a look what the booklet for
XYZ(38.1492, 46.2193, 31.5946)
contains.

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Color

**XYZ(38.0355, 46.0752,
31.6997)**

Conversions

Conversions Part 1

Format	Color
Hex	A3BD8C
RGB	163, 189, 140
RGB Percent	64%, 74%, 55%
CMY	0.3608, 0.2588, 0.4510
CMYK	0.14, 0.00, 0.26, 0.26
HSL	92°, 27%, 65%
HSV	92°, 26%, 74%
XYZ	38.0355, 46.0752, 31.6997
YIQ	175.6400, 0.2330, -20.7510

Conversions

Conversions Part 2

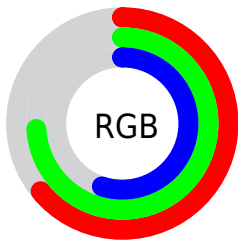
Format	Color
RYB	140, 189, 166
Decimal	10730892
CIELab	73.59, -17.73, 21.92
CIELCh	74, 28.189, 128.962
Yxy	46.0752, 0.3284, 0.3979
Android (android.graphics.Color)	4288920972 (0xFFA3BD8C)
YUV	175.6400, -17.5705, -11.0853
Hunter-Lab	67.8787, -18.7662, 19.8264

Details

The XYZ color **38.0355, 46.0752, 31.6997** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.2912, 30.5386, 52.2338**, and the grayscale version is **41.1689, 43.3129, 47.1678**.

A 20% lighter version of the original color is **71.3035, 84.1053, 63.5148**, and **17.2052, 21.7260, 12.9596** is the 20% darker color. If you saturate the color by 10%, you get **34.7873, 44.5495, 24.8872**, and if you desaturate by 10%, it is **41.6884, 47.7846, 39.7826**.

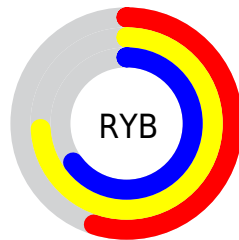
Distribution



Red (64%)

Green (74%)

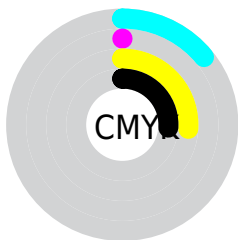
Blue (55%)



Red (55%)

Yellow (74%)

Blue (65%)

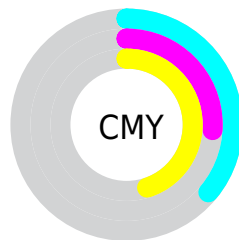


Cyan (14%)

Magenta (0%)

Yellow (26%)

Black (26%)



Cyan (36%)

Magenta (26%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0355, 46.0752, 31.6997 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 38.0355, 46.0752, 31.6997 by changing the saturation by 10% instead.

■ 38.0355, 46.0752,
31.6997

■ 38.0355, 46.0752,
31.6997

329.0505,
371.1109, 324.1995

■ 26.1876, 32.3052,
20.8693

■ 71.4661, 84.3315,
63.4324

■ 17.0974, 21.5947,
12.8382

■ 93.7795, 109.5866,
85.1719

■ 10.3997, 13.5594,
7.1878

■ 120.3121,
139.4388, 111.3848

■ 5.7291, 7.8149,
3.4996

151.4292,
174.2726, 142.4896

■ 2.7201, 3.9767,
1.3551

187.4963,
214.4723, 178.9049

■ 1.0076, 1.6605,
0.1063

228.8786,

■ 0.0000, 0.3979,

260.4223, 221.0493

0.0000

275.9415,
312.5070, 269.3413

■ 0.0000, 0.0000,
0.0000

■ 38.0355, 46.0752,
31.6997

■ 38.0355, 46.0752,
31.6997

■ 34.7873, 44.5495,
24.8872

■ 41.6884, 47.7846,
39.7826

■ 31.9243, 43.1948,
19.2775

■ 45.7574, 49.6782,
49.1929

■ 29.4304, 42.0056,
14.8013

■ 50.2578, 51.7640,
59.9878

■ 27.2869, 40.9741,
11.3810

■ 55.2032, 54.0478,
72.2201

■ 25.4729, 40.0913,
8.9292

■ 60.6063, 56.5351,
85.9402

■ 23.9649, 39.3474,
7.3445

■ 66.4793, 59.2312,
101.1956

■ 22.7339, 38.7303,
6.4986

■ 69.9210, 60.9759,
102.6920

■ 22.2903, 38.5065,
6.2577

■ 73.2931, 62.7143,
102.8498

■ 76.8543, 64.5501,
103.0165

Harmonies

Analogous

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



42.3161, 46.0752, 27.6353



38.0355, 46.0752, 31.6997



35.4385, 46.0752, 40.9406

Triad

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



38.0355, 46.0752, 31.6997



40.4400, 46.0752, 80.4155



53.9652, 46.0752, 46.0100

Complementary

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



38.0355, 46.0752, 31.6997



34.2912, 30.5386, 52.2338

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.



53.3673, 46.0752, 60.6872



38.0355, 46.0752, 31.6997



45.3041, 46.0752, 82.4810

Square

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



38.0355, 46.0752, 31.6997



36.7517, 46.0752, 69.4954



50.1042, 46.0752, 74.6966



51.6809, 46.0752, 34.8041

Rectangle

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



38.0355, 46.0752, 31.6997



34.8876, 46.0752, 49.6724



50.1042, 46.0752, 74.6966



54.0981, 46.0752, 50.6670

Sweetspot

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



38.0367, 46.0772, 31.7007



80.2777, 88.1934, 84.1807



39.2340, 39.7387, 30.4141



17.0217, 18.8533, 17.5395



90.7827, 95.5105, 104.0109



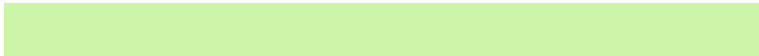
18.6292, 19.5994, 21.3438

Same Dimension

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



38.0367, 46.0772, 31.7007



64.7922, 80.9574, 49.7042



33.8083, 43.8904, 31.8184



9.8231, 10.8632, 10.1557



15.0836, 25.9517, 4.2142



0.6664, 1.0555, 0.1686

Inverse Universe

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



34.2912, 30.5386, 52.2338



56.9688, 48.5056, 92.5861



39.4631, 33.2150, 52.0143



9.4868, 9.4678, 11.9997



9.8272, 4.3522, 32.7150



0.4599, 0.2091, 1.2850

Previews

White Background



This preview shows how the XYZ color 38.0355, 46.0752, 31.6997 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 38.0355, 46.0752, 31.6997 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 38.0355, 46.0752, 31.6997

Background



This preview shows how black text looks on a background with the XYZ color 38.0355, 46.0752, 31.6997.



This preview shows how white text looks on a background with the XYZ color 38.0355, 46.0752,

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

38.0355, 46.0752, 31.6997

Protanopia

42.7575, 45.7575, 29.8711

Deuteranopia

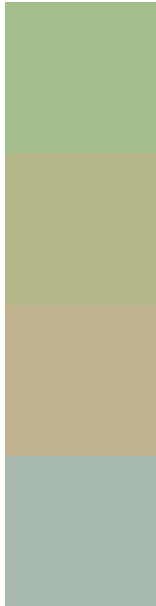
46.4798, 45.5719, 32.3331



Tritanopia

43.4863, 46.0993, 58.8306

Trichromacy



Original Color

38.0355, 46.0752, 31.6997

Protanomaly

40.7402, 45.6182, 30.3249

Deuteranomaly

42.9949, 45.5306, 32.1134

Tritanomaly

41.3339, 46.1573, 47.8050

Monochromacy



Original Color

38.0355, 46.0752, 31.6997

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.9293, 44.3500, 41.1062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0355, 46.0752, 31.6997 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(163, 189, 140)` looks like.

```
.text, #text, p{  
    color:rgb(163, 189, 140)  
}
```

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(163, 189, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 189, 140) }
```

Border

The CSS property to change the border of an element to XYZ 38.0355, 46.0752, 31.6997 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(163, 189, 140) }
```


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

```
.border{ border-color:rgb(163, 189, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 189, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 189, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 189, 140);  
box-shadow:4px 4px 4px 4px rgb(163, 189,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0355, 46.0752, 31.6997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 189, 140) }
```

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

```
.background{ background-color: rgb(163,  
189, 140) }
```

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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