

Converting Colors

XYZ(42.8694, 48.1778, 38.2571)

Have a look what the booklet for
XYZ(42.8694, 48.1778, 38.2571)
contains.

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Color

**XYZ(42.7220, 48.0363,
38.0306)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BC9B
RGB	180, 188, 155
RGB Percent	71%, 74%, 61%
CMY	0.2941, 0.2627, 0.3922
CMYK	0.04, 0.00, 0.18, 0.26
HSL	75°, 20%, 67%
HSV	75°, 18%, 74%
XYZ	42.7220, 48.0363, 38.0306
YIQ	181.8460, 5.8250, -11.9590

Conversions

Conversions Part 2

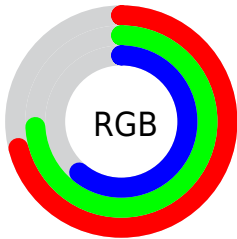
Format	Color
RYB	155, 188, 163
Decimal	11844763
CIELab	74.85, -8.58, 15.78
CIELCh	75, 17.965, 118.520
Yxy	48.0363, 0.3317, 0.3730
Android (android.graphics.Color)	4290034843 (0xFFB4BC9B)
YUV	181.8460, -13.2351, -1.6189
Hunter-Lab	69.3082, -11.2609, 15.9823

Details

The XYZ color **42.7220, 48.0363, 38.0306** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.9046, 34.8614, 52.4161**, and the grayscale version is **44.4482, 46.7630, 50.9249**.

A 20% lighter version of the original color is **78.5756, 87.1874, 73.6602**, and **19.9151, 22.8394, 16.4555** is the 20% darker color. If you saturate the color by 10%, you get **40.2208, 46.9168, 30.3036**, and if you desaturate by 10%, it is **45.5065, 49.2764, 47.0561**.

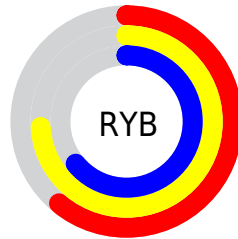
Distribution



Red (71%)

Green (74%)

Blue (61%)



Red (61%)

Yellow (74%)

Blue (64%)

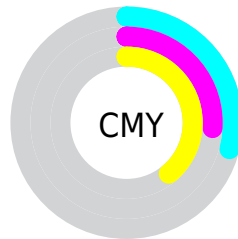


Cyan (4%)

Magenta (0%)

Yellow (18%)

Black (26%)



Cyan (29%)

Magenta (26%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7220, 48.0363, 38.0306 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 42.7220, 48.0363, 38.0306 by changing the saturation by 10% instead.

■ 42.7220, 48.0363,
38.0306

■ 42.7220, 48.0363,
38.0306

348.4082,
378.9360, 353.0533

■ 29.8606, 33.8556,
25.7044

■ 78.5495, 87.2584,
73.3590

■ 19.8804, 22.7827,
16.3789

■ 102.2464,
113.0687, 97.1983

■ 12.4159, 14.4331,
9.6354

130.2857,
143.5243, 125.7123

■ 7.1018, 8.4225,
5.0555

163.0330,
179.0096, 159.3197

■ 3.5727, 4.3665,
2.2205

200.8535,
219.9091, 198.4390

■ 1.4634, 1.8806,
0.6862

244.1127,

■ 0.3007, 0.5367,

266.6070, 243.4886

0.0000

293.1758,
319.4879, 294.8872

■ 0.0000, 0.0000,
0.0000

■ 42.7220, 48.0363,
38.0306

■ 42.7220, 48.0363,
38.0306

■ 40.2208, 46.9168,
30.3036

■ 45.5065, 49.2764,
47.0561

■ 37.9875, 45.9068,
23.8122

■ 48.5815, 50.6351,
57.4329

■ 36.0107, 45.0035,
18.4930

■ 51.9586, 52.1188,
69.2146

■ 34.2769, 44.2012,
14.2758

■ 55.6474, 53.7313,
82.4510

■ 32.7707, 43.4939,
11.0827

■ 59.6574, 55.4764,
97.1895

■ 31.4753, 42.8747,
8.8259

■ 61.8665, 56.5054,
102.2537

■ 30.3708, 42.3356,
7.4026

■ 63.1618, 57.1732,
102.3143

■ 29.4281, 41.8650,
6.6618

■ 64.4943, 57.8601,
102.3766

■ 29.2099, 41.7555,
6.5201

■ 65.8642, 58.5663,
102.4408

Harmonies

Analogous

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



45.8196, 48.0363, 36.2967



42.7220, 48.0363, 38.0306



40.5050, 48.0363, 43.4571

Triad

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



42.7220, 48.0363, 38.0306



42.4536, 48.0363, 69.2014



52.2314, 48.0363, 52.7697

Complementary

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



42.7220, 48.0363, 38.0306



35.9046, 34.8614, 52.4161

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.



51.2285, 48.0363, 62.2754



42.7220, 48.0363, 38.0306



45.4949, 48.0363, 72.4355

Square

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



42.7220, 48.0363, 38.0306



40.3553, 48.0363, 61.3751



48.7236, 48.0363, 69.7632



51.4040, 48.0363, 44.1727

Rectangle

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



42.7220, 48.0363, 38.0306



39.7716, 48.0363, 48.8026



48.7236, 48.0363, 69.7632



52.0963, 48.0363, 55.9677

Sweetspot

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



42.7233, 48.0384, 38.0316



83.7973, 89.8894, 89.6954



39.7011, 39.1474, 36.4748



17.9383, 19.2941, 19.0152



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.



42.7233, 48.0384, 38.0316



75.6481, 86.2631, 63.3450



39.1698, 46.2065, 37.8653



10.0900, 11.0008, 10.1682



19.9560, 28.4636, 4.4422



0.8371, 1.1435, 0.1766

Inverse Universe

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



35.9046, 34.8614, 52.4161



61.0223, 57.9956, 94.2042



39.4368, 36.6823, 52.5814



9.2274, 9.3341, 11.9875



6.9922, 2.8907, 32.5823



0.3350, 0.1447, 1.2791

Previews

White Background



This preview shows how the XYZ color 42.7220, 48.0363, 38.0306 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 42.7220, 48.0363, 38.0306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

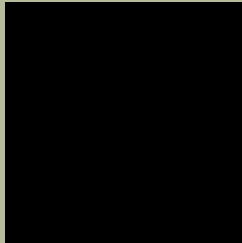
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7220, 48.0363, 38.0306

Background



This preview shows how black text looks on a background with the XYZ color 42.7220, 48.0363, 38.0306.



This preview shows how white text looks on a background with the XYZ color 42.7220, 48.0363,

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

42.7220, 48.0363, 38.0306

Protanopia

45.1384, 48.0502, 37.0326

Deuteranopia

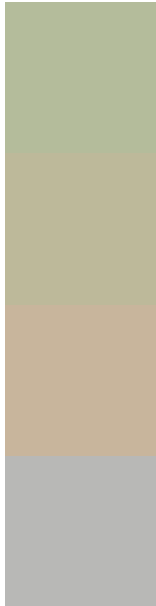
48.6719, 47.7275, 38.5453



Tritanopia

47.0557, 47.9262, 59.5939

Trichromacy



Original Color

42.7220, 48.0363, 38.0306

Protanomaly

44.1680, 47.8498, 37.4799

Deuteranomaly

46.3440, 47.7274, 38.2222

Tritanomaly

45.3512, 47.8487, 51.1014

Monochromacy



Original Color

42.7220, 48.0363, 38.0306

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.6429, 47.0833, 45.8175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7220, 48.0363, 38.0306 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(180, 188, 155)` looks like.

```
.text, #text, p{  
    color:rgb(180, 188, 155)  
}
```

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(180, 188, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 188, 155) }
```

Border

The CSS property to change the border of an element to XYZ 42.7220, 48.0363, 38.0306 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(180, 188, 155) }
```


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

```
.border{ border-color:rgb(180, 188, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 188, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 188, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 188, 155);  
box-shadow:4px 4px 4px 4px rgb(180, 188,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7220, 48.0363, 38.0306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 188, 155) }
```

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

```
.background{ background-color: rgb(180,  
188, 155) }
```

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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