

Converting Colors

XYZ(46.0062, 47.1978, 38.1853)

Have a look what the booklet for
XYZ(46.0062, 47.1978, 38.1853)
contains.

XYZ(46.1414, 47.3222, 38.1547)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.1414, 47.3222,
38.1547)**

Conversions

Conversions Part 1

Format	Color
Hex	C8B49C
RGB	200, 180, 156
RGB Percent	78%, 71%, 61%
CMY	0.2157, 0.2941, 0.3882
CMYK	0.00, 0.10, 0.22, 0.22
HSL	33°, 29%, 70%
HSV	33°, 22%, 78%
XYZ	46.1414, 47.3222, 38.1547
YIQ	183.2440, 19.6240, -3.2240

Conversions

Conversions Part 2

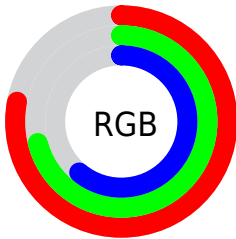
Format	Color
RYB	193, 200, 156
Decimal	13153436
CIELab	74.40, 3.33, 14.85
CIELCh	74, 15.221, 77.363
Yxy	47.3222, 0.3506, 0.3595
Android (android.graphics.Color)	4291343516 (0xFFC8B49C)
YUV	183.2440, -13.4313, 14.6950
Hunter-Lab	68.7911, -0.6563, 15.2689

Details

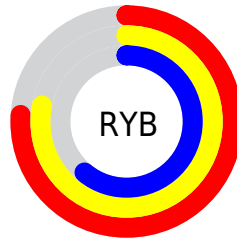
The XYZ color **46.1414, 47.3222, 38.1547** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.6606, 42.2876, 60.7157**, and the grayscale version is **45.2086, 47.5630, 51.7961**.

A 20% lighter version of the original color is **82.9933, 85.9541, 73.8446**, and **21.9932, 22.3097, 16.5116** is the 20% darker color. If you saturate the color by 10%, you get **42.8106, 43.1512, 29.3658**, and if you desaturate by 10%, it is **49.8740, 51.8497, 48.4545**.

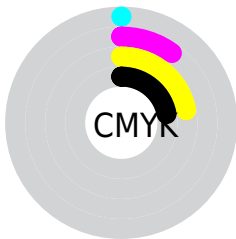
Distribution



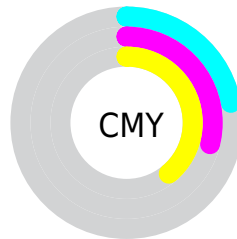
- Red (78%)
- Green (71%)
- Blue (61%)



- Red (76%)
- Yellow (78%)
- Blue (61%)



- Cyan (0%)
- Magenta (10%)
- Yellow (22%)
- Black (22%)





- Cyan (22%)
- Magenta (29%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1414, 47.3222, 38.1547 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 46.1414, 47.3222, 38.1547 by changing the saturation by 10% instead.


 46.1414, 47.3222,
38.1547

 46.1414, 47.3222,
38.1547


362.0832,
376.0992, 353.6012

 32.5625, 33.2904,
25.8000


 83.6571, 86.1944,
73.5512

 21.9491, 22.3490,
16.4497


 108.3247,
111.8036, 97.4302

 13.9359, 14.1136,
9.6851


137.4192,
142.0407, 125.9876

 8.1575, 8.1997,
5.0878

171.3060,
177.2901, 159.6421

 4.2486, 4.2230,
2.2392

210.3505,
217.9363, 198.8121

 1.8437, 1.7991,
0.6969

254.9179,

 0.5438, 0.4866,

264.3636, 243.9163

0.0000

305.3737,
316.9564, 295.3732

■ 0.0000, 0.0000,
0.0000

■ 46.1414, 47.3222,
38.1547

■ 46.1414, 47.3222,
38.1547

■ 42.8106, 43.1512,
29.3658

■ 49.8740, 51.8497,
48.4545

■ 39.8619, 39.3202,
22.0121

■ 54.0194, 56.7369,
60.3297

■ 37.2793, 35.8208,
16.0160

■ 58.5931, 61.9949,
73.8448

■ 35.0443, 32.6417,
11.2912

■ 63.6085, 67.6325,
89.0600

■ 33.1361, 29.7704,
7.7414

■ 68.9165, 73.5934,
105.1804

■ 31.5314, 27.1936,
5.2562

■ 71.4460, 78.6524,
106.0236

■ 30.2026, 24.8959,
3.7038

■ 74.1083, 83.9770,
106.9110

■ 29.2999, 23.2403,
2.9415

■ 76.9054, 89.5713,
107.8434

■ 77.6295, 91.0194,
108.0847

Harmonies

Analogous

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



48.6440, 47.3222, 41.1991



46.1414, 47.3222, 38.1547



43.4236, 47.3222, 38.4190

Triad

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



46.1414, 47.3222, 38.1547



40.1327, 47.3222, 56.1634



48.9685, 47.3222, 62.4424

Complementary

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



46.1414, 47.3222, 38.1547



39.6606, 42.2876, 60.7157

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.



46.5697, 47.3222, 67.3186



46.1414, 47.3222, 38.1547



41.5016, 47.3222, 63.4482

Square

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



46.1414, 47.3222, 38.1547



40.0285, 47.3222, 48.2933



43.8350, 47.3222, 67.7044



50.3202, 47.3222, 54.8995

Rectangle

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



46.1414, 47.3222, 38.1547



41.8548, 47.3222, 40.4347



43.8350, 47.3222, 67.7044



48.2536, 47.3222, 64.4796

Sweetspot

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



46.1427, 47.3243, 38.1557



89.7746, 93.8363, 93.6163



43.5977, 39.2126, 46.6229



19.1218, 19.9743, 19.7698



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.



46.1427, 47.3243, 38.1557



77.2829, 78.7013, 59.0912



50.0848, 55.7874, 39.5815



11.1053, 11.5798, 11.2126



18.7205, 14.9581, 1.9005



0.9581, 0.8517, 0.1139

Inverse Universe

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



39.6606, 42.2876, 60.7157



64.2491, 68.5748, 104.4577



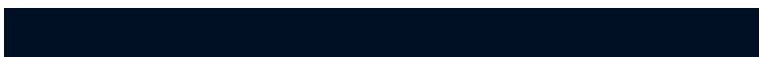
36.3102, 35.1629, 59.5171



10.4470, 11.0682, 13.5032



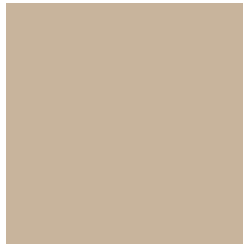
9.0887, 7.5713, 35.7267



0.5025, 0.5028, 1.7157

Previews

White Background



This preview shows how the XYZ color 46.1414, 47.3222, 38.1547 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 46.1414, 47.3222, 38.1547 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

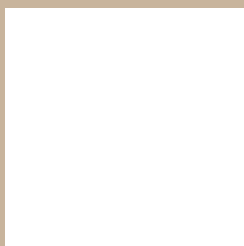
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1414, 47.3222, 38.1547

Background



This preview shows how black text looks on a background with the XYZ color 46.1414, 47.3222, 38.1547.



This preview shows how white text looks on a background with the XYZ color 46.1414, 47.3222, 38.1547.

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

46.1414, 47.3222, 38.1547

Protanopia

44.7575, 47.5078, 38.7092

Deuteranopia

48.1895, 47.1866, 38.4664



Tritanopia

49.4171, 47.1714, 54.6445

Trichromacy



Original Color

46.1414, 47.3222, 38.1547

Protanomaly

45.3194, 47.4923, 38.6766

Deuteranomaly

47.2615, 47.0004, 38.4793

Tritanomaly

48.2866, 47.3151, 48.1827

Monochromacy



Original Color

46.1414, 47.3222, 38.1547

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2570, 47.2918, 46.2781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1414, 47.3222, 38.1547 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(200, 180, 156)` looks like.

```
.text, #text, p{  
    color:rgb(200, 180, 156)  
}
```

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(200, 180, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 180, 156) }
```

Border

The CSS property to change the border of an element to XYZ 46.1414, 47.3222, 38.1547 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(200, 180, 156) }
```


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

```
.border{ border-color:rgb(200, 180, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 180, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 180, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 180, 156);  
box-shadow:4px 4px 4px 4px rgb(200, 180,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1414, 47.3222, 38.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 180, 156) }
```

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

```
.background{ background-color: rgb(200,  
180, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor