

# Converting Colors

XYZ(46.1282, 47.1921, 38.6320)

Have a look what the booklet for  
XYZ(46.1282, 47.1921, 38.6320)  
contains.

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# Color

**XYZ(46.2265, 47.3562,  
38.6026)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8B49D
RGB	200, 180, 157
RGB Percent	78%, 71%, 62%
CMY	0.2157, 0.2941, 0.3843
CMYK	0.00, 0.10, 0.21, 0.22
HSL	32°, 28%, 70%
HSV	32°, 21%, 78%
XYZ	46.2265, 47.3562, 38.6026
YIQ	183.3580, 19.3030, -2.9130

# Conversions

## Conversions Part 2

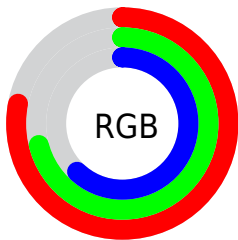
Format	Color
<b>RYB</b>	194, 200, 157
Decimal	13153437
CIELab	74.42, 3.48, 14.34
CIELCh	74, 14.755, 76.366
Yxy	47.3562, 0.3497, 0.3583
Android (android.graphics.Color)	4291343517 (0xFFC8B49D)
YUV	183.3580, -12.9945, 14.5950
Hunter-Lab	68.8158, -0.5218, 14.9121

# Details

The XYZ color **46.2265, 47.3562, 38.6026** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.0519, 42.7816, 60.7906**, and the grayscale version is **45.2691, 47.6266, 51.8654**.

A 20% lighter version of the original color is **83.1191, 86.0044, 74.5070**, and **22.0450, 22.3303, 16.7840** is the 20% darker color. If you saturate the color by 10%, you get **42.8422, 43.0999, 29.7286**, and if you desaturate by 10%, it is **50.0189, 51.9806, 48.9928**.

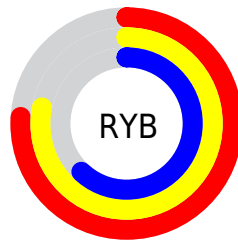
# Distribution



Red (78%)

Green (71%)

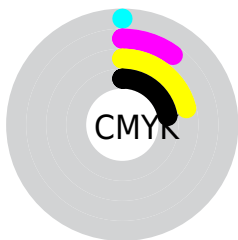
Blue (62%)



Red (76%)

Yellow (78%)

Blue (62%)

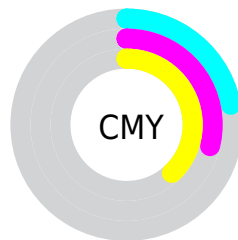


Cyan (0%)

Magenta (10%)

Yellow (21%)

Black (22%)



Cyan (22%)

Magenta (29%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2265, 47.3562, 38.6026 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 46.2265, 47.3562, 38.6026 by changing the saturation by 10% instead.





 46.2265, 47.3562,  
38.6026

 46.2265, 47.3562,  
38.6026


362.4192,  
376.2345, 355.5733

 32.6300, 33.3173,  
26.1453


 83.7837, 86.2451,  
74.2445

 22.0010, 22.3697,  
16.7056


 108.4750,  
111.8639, 98.2661

 13.9742, 14.1288,  
9.8651


137.5953,  
142.1114, 126.9795

 8.1843, 8.2103,  
5.2052

171.5100,  
177.3722, 160.8034

 4.2659, 4.2298,  
2.3073

210.5844,  
218.0304, 200.1561

 1.8537, 1.8029,  
0.7353

255.1838,

 0.5497, 0.4890,

264.4707, 245.4564

0.0000

305.6736,  
317.0772, 297.1226

■ 0.0000, 0.0000,  
0.0000

■ 46.2265, 47.3562,  
38.6026

■ 46.2265, 47.3562,  
38.6026

■ 42.8422, 43.0999,  
29.7286

■ 50.0189, 51.9806,  
48.9928

■ 39.8461, 39.1950,  
22.2953

■ 54.2307, 56.9765,  
60.9636

■ 37.2223, 35.6326,  
16.2256

■ 58.8773, 62.3554,  
74.5795

■ 34.9521, 32.4011,  
11.4333

■ 63.9721, 68.1265,  
89.9002

■ 33.0146, 29.4878,  
7.8227

■ 69.2041, 74.1686,  
105.2763

■ 31.3865, 26.8790,  
5.2843

■ 71.8098, 79.3798,  
106.1448

■ 30.0402, 24.5589,  
3.6874

■ 74.5548, 84.8699,  
107.0598

■ 29.0768, 22.7939,  
2.8671

■ 77.4413, 90.6429,  
108.0220

■ 77.6296, 91.0194,  
108.0847

# Harmonies

## Analogous

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



48.6314, 47.3562, 41.6752



46.2265, 47.3562, 38.6026



43.5854, 47.3562, 38.7518

# Triad

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



46.2265, 47.3562, 38.6026



40.2814, 47.3562, 55.7995



48.8131, 47.3562, 62.3404

# Complementary

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



46.2265, 47.3562, 38.6026



40.0519, 42.7816, 60.7906

# 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.



46.4666, 47.3562, 66.9255



46.2265, 47.3562, 38.6026



41.5742, 47.3562, 62.9024

# Square

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



46.2265, 47.3562, 38.6026



40.2229, 47.3562, 48.1881



43.8163, 47.3562, 67.1408



50.1640, 47.3562, 55.0916



# Rectangle

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



46.2265, 47.3562, 38.6026



42.0468, 47.3562, 40.6486



43.8163, 47.3562, 67.1408



48.1106, 47.3562, 64.2743

# Sweetspot

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



46.2278, 47.3583, 38.6036



90.4557, 94.5976, 95.6963



43.8194, 39.5709, 46.9588



19.2578, 20.1251, 20.1888



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

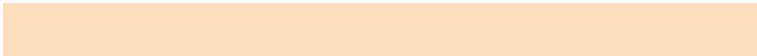


# Same Dimension

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



46.2278, 47.3583, 38.6036



77.0938, 78.3233, 59.0282



50.1788, 55.8262, 40.0298



11.0958, 11.5608, 11.2094



18.5784, 14.6740, 1.8532



0.9517, 0.8388, 0.1117

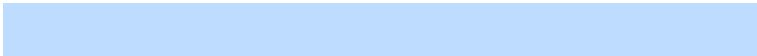


# Inverse Universe

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



40.0519, 42.7816, 60.7906



64.4322, 68.9411, 104.5188



36.6689, 35.5979, 59.5823



10.4564, 11.0869, 13.5064



9.2058, 7.8055, 35.7658

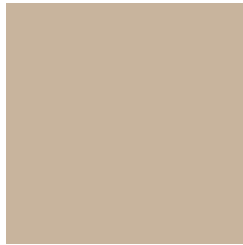


0.5082, 0.5142, 1.7176



# Previews

## White Background



This preview shows how the XYZ color 46.2265, 47.3562, 38.6026 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 46.2265, 47.3562, 38.6026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

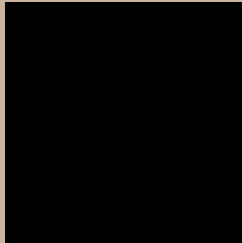
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.2265, 47.3562, 38.6026**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2265, 47.3562, 38.6026.



This preview shows how white text looks on a background with the XYZ color 46.2265, 47.3562,



# 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

46.2265, 47.3562, 38.6026

### Protanopia

44.8433, 47.5421, 39.1608

### Deuteranopia

48.2752, 47.2209, 38.9179



## Tritanopia

49.4171, 47.1714, 54.6445

# Trichromacy



## Original Color

46.2265, 47.3562, 38.6026

## Protanomaly

45.4052, 47.5266, 39.1282

## Deuteranomaly

47.3473, 47.0347, 38.9309

## Tritanomaly

48.2866, 47.3151, 48.1827

# Monochromacy



## Original Color

46.2265, 47.3562, 38.6026

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.3542, 47.3307, 46.7897

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2265, 47.3562, 38.6026 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(200, 180, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 180, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2265, 47.3562, 38.6026 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, 157) }
```



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

```
.border{ border-color:rgb(200, 180, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 180, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 180, 157);  
box-shadow:4px 4px 4px 4px rgb(200, 180,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2265, 47.3562, 38.6026 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, 157) }
```

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

```
.background{ background-color: rgb(200,  
180, 157) }
```

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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