

# Converting Colors

XYZ(41.9520, 50.8531, 26.9776)

Have a look what the booklet for  
XYZ(41.9520, 50.8531, 26.9776)  
contains.

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# Color

**XYZ(42.0280, 50.8782,  
27.0074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2C57D
RGB	178, 197, 125
RGB Percent	70%, 77%, 49%
CMY	0.3020, 0.2274, 0.5098
CMYK	0.10, 0.00, 0.37, 0.23
HSL	76°, 38%, 63%
HSV	76°, 37%, 77%
XYZ	42.0280, 50.8782, 27.0074
YIQ	183.1110, 11.7880, -26.4200

# Conversions

## Conversions Part 2

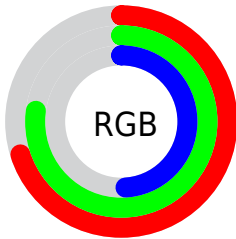
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 197, 144
Decimal	11715965
CIELab	76.61, -18.24, 34.00
CIElCh	77, 38.584, 118.208
Yxy	50.8782, 0.3505, 0.4243
Android (android.graphics.Color)	4289906045 (0xFFB2C57D)
YUV	183.1110, -28.6487, -4.4823
Hunter-Lab	71.3290, -19.6510, 27.4812

# Details

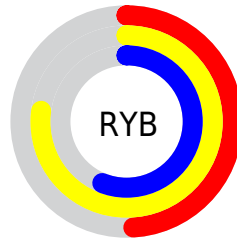
The XYZ color **42.0280, 50.8782, 27.0074** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.9154, 24.6292, 56.0562**, and the grayscale version is **45.2195, 47.5745, 51.8086**.

A 20% lighter version of the original color is **77.7386, 91.7601, 55.7337**, and **19.4046, 24.4380, 10.3509** is the 20% darker color. If you saturate the color by 10%, you get **39.7221, 49.8224, 20.9691**, and if you desaturate by 10%, it is **44.6313, 52.0617, 34.3646**.

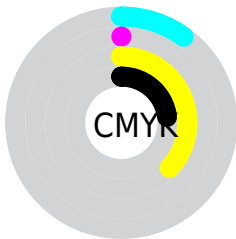
# Distribution



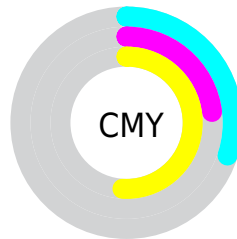
- Red (70%)
- Green (77%)
- Blue (49%)



- Red (49%)
- Yellow (77%)
- Blue (56%)



- Cyan (10%)
- Magenta (0%)
- Yellow (37%)
- Black (23%)



- Cyan (30%)
- Magenta (23%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0280, 50.8782, 27.0074 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 42.0280, 50.8782, 27.0074 by changing the saturation by 10% instead.



■ 42.0280, 50.8782,  
27.0074

■ 42.0280, 50.8782,  
27.0074

345.5886,  
390.0904, 301.4543

■ 29.3144, 36.1117,  
17.3463

■ 77.5069, 91.4747,  
55.8996

■ 19.4643, 24.5205,  
10.3171

■ 101.0029,  
118.0735, 75.9678

■ 12.1122, 15.7201,  
5.5014

■ 128.8238,  
149.3851, 100.3421

■ 6.8929, 9.3263,  
2.4805

161.3349,  
185.7941, 129.4411

■ 3.4409, 4.9546,  
0.8298

198.9016,  
227.6847, 163.6832

■ 1.3910, 2.2207,  
0.0000

241.8892,

■ 0.2498, 0.7312,

275.4413, 203.4871

0.0000

290.6631,  
329.4484, 249.2713

■ 0.0000, 0.0000,  
0.0000

■ 42.0280, 50.8782,  
27.0074

■ 42.0280, 50.8782,  
27.0074

■ 39.7221, 49.8224,  
20.9691

■ 44.6313, 52.0617,  
34.3646

■ 37.6945, 48.8812,  
16.1684

■ 47.5424, 53.3719,  
43.1092

■ 35.9295, 48.0503,  
12.5199


■ 50.7755, 54.8162,  
53.3088


■ 34.4082, 47.3219,  
9.9260


■ 54.3430, 56.3997,  
65.0257


■ 33.1084, 46.6870,  
8.2733


■ 58.2565, 58.1270,  
78.3185


 32.0015, 46.1343,  
7.4134

 62.5270, 60.0027,  
93.2427

 31.6455, 45.9550,  
7.2023

 65.8657, 61.5111,  
103.0091

 67.4114, 62.3080,  
103.0814

 69.0062, 63.1301,  
103.1560

# Harmonies

## Analogous

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



48.7981, 50.8782, 24.1707



42.0280, 50.8782, 27.0074



37.3913, 50.8782, 36.8182

# Triad

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



42.0280, 50.8782, 27.0074



41.3399, 50.8782, 97.0257



63.7726, 50.8782, 56.6634

# Complementary

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



42.0280, 50.8782, 27.0074



28.9154, 24.6292, 56.0562

# Split Complementary

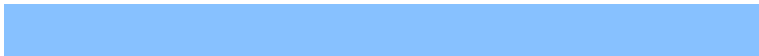
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.2837, 50.8782, 79.3650



42.0280, 50.8782, 27.0074



47.9209, 50.8782, 106.0168

# Square

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



42.0280, 50.8782, 27.0074



37.0230, 50.8782, 76.6320



55.2941, 50.8782, 98.8623



61.7988, 50.8782, 38.5002



# Rectangle

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



42.0280, 50.8782, 27.0074



35.8887, 50.8782, 47.5887



55.2941, 50.8782, 98.8623



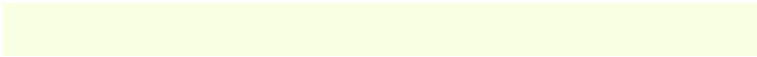
63.4256, 50.8782, 64.0175

# Sweetspot

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



42.0293, 50.8805, 27.0085



88.1866, 96.9460, 86.7014



36.5520, 32.9975, 23.8454



18.7055, 20.6745, 18.0220



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

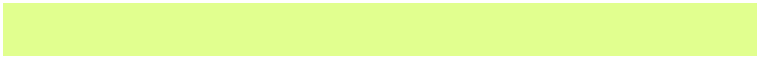


# Same Dimension

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



42.0293, 50.8805, 27.0085



71.8743, 89.5666, 39.4071



34.9974, 47.2554, 26.6794



11.2402, 12.2708, 11.3388



20.8956, 30.2674, 4.7409



1.0549, 1.4669, 0.2275



# Inverse Universe

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



28.9154, 24.6292, 56.0562



44.9470, 35.6226, 99.1146



36.0039, 28.2834, 56.3880



10.3149, 10.4206, 13.3852



7.6283, 3.1668, 34.9536



0.4318, 0.1864, 1.6584



# Previews

## White Background



This preview shows how the XYZ color 42.0280, 50.8782, 27.0074 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 42.0280, 50.8782, 27.0074 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

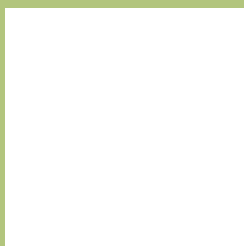
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.0280, 50.8782, 27.0074**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0280, 50.8782, 27.0074.



This preview shows how white text looks on a background with the XYZ color 42.0280, 50.8782,



# 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

42.0280, 50.8782, 27.0074

### Protanopia

46.8873, 50.7795, 25.7425

### Deuteranopia

51.8504, 50.8015, 27.8417



## Tritanopia

49.3829, 50.9221, 63.1033

# Trichromacy



## Original Color

42.0280, 50.8782, 27.0074

## Protanomaly

44.9305, 50.7314, 26.1629

## Deuteranomaly

47.9611, 50.6545, 27.6715

## Tritanomaly

46.0379, 50.5079, 47.3669

# Monochromacy



## Original Color

42.0280, 50.8782, 27.0074

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.5609, 48.3988, 41.2284

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0280, 50.8782, 27.0074 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(178, 197, 125)` looks like.

```
.text, #text, p{  
    color:rgb(178, 197, 125)  
}
```

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(178, 197, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 197, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0280, 50.8782, 27.0074 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(178, 197, 125) }
```



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

```
.border{ border-color:rgb(178, 197, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 197, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 197, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 197, 125);  
box-shadow:4px 4px 4px 4px rgb(178, 197,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0280, 50.8782, 27.0074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 197, 125) }
```

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

```
.background{ background-color: rgb(178,  
197, 125) }
```

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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