

# Converting Colors

XYZ(42.8179, 51.2475, 28.7541)

Have a look what the booklet for  
XYZ(42.8179, 51.2475, 28.7541)  
contains.

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# Color

**XYZ(42.8179, 51.2475,  
28.7541)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4C582
RGB	180, 197, 130
RGB Percent	71%, 77%, 51%
CMY	0.2941, 0.2274, 0.4902
CMYK	0.09, 0.00, 0.34, 0.23
HSL	75°, 37%, 64%
HSV	75°, 34%, 77%
XYZ	42.8179, 51.2475, 28.7541
YIQ	184.2790, 11.3750, -24.4410

# Conversions

## Conversions Part 2

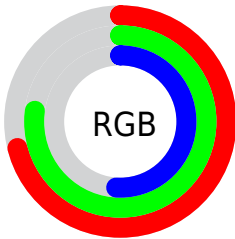
Format	Color
<b>RYB</b>	130, 197, 147
Decimal	11847042
CIELab	76.83, -16.83, 31.73
CIELCh	77, 35.921, 117.938
Yxy	51.2475, 0.3486, 0.4173
Android (android.graphics.Color)	4290037122 (0xFFB4C582)
YUV	184.2790, -26.7595, -3.7527
Hunter-Lab	71.5874, -18.5133, 26.2965

# Details

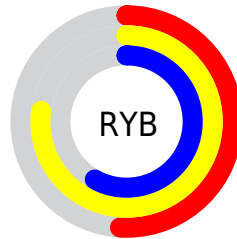
The XYZ color **42.8179, 51.2475, 28.7541** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.0953, 26.2009, 56.2973**, and the grayscale version is **45.8543, 48.2423, 52.5359**.

A 20% lighter version of the original color is **78.6856, 92.1772, 58.9922**, and **19.8746, 24.6597, 11.3017** is the 20% darker color. If you saturate the color by 10%, you get **40.4776, 50.1811, 22.3906**, and if you desaturate by 10%, it is **45.4560, 52.4414, 36.4551**.

# Distribution



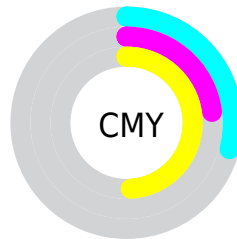
- Red (71%)
- Green (77%)
- Blue (51%)



- Red (51%)
- Yellow (77%)
- Blue (58%)



- Cyan (9%)
- Magenta (0%)
- Yellow (34%)
- Black (23%)



- Cyan (29%)
- Magenta (23%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8179, 51.2475, 28.7541 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 42.8179, 51.2475, 28.7541 by changing the saturation by 10% instead.



■ 42.8179, 51.2475,  
28.7541

■ 42.8179, 51.2475,  
28.7541

348.7966,  
391.5246, 310.0775

■ 29.9362, 36.4056,  
18.6509

■ 78.6934, 92.0205,  
58.7237

■ 19.9380, 24.7476,  
11.2441

■ 102.4179,  
118.7204, 79.4272

■ 12.4580, 15.8891,  
6.1150

■ 130.4874,  
150.1418, 104.5011

■ 7.1308, 9.4457,  
2.8452

163.2671,  
186.6691, 134.3642

■ 3.5911, 5.0330,  
1.0162

201.1226,  
228.6866, 169.4348

■ 1.4735, 2.2667,  
0.0000

244.4191,

■ 0.3077, 0.7560,

276.5788, 210.1315

0.0000

293.5220,  
330.7300, 256.8729

■ 0.0000, 0.0000,  
0.0000

■ 42.8179, 51.2475,  
28.7541

■ 42.8179, 51.2475,  
28.7541

■ 40.4776, 50.1811,  
22.3906

■ 45.4560, 52.4414,  
36.4551

■ 38.4162, 49.2293,  
17.2850

■ 48.4018, 53.7615,  
45.5607

■ 36.6187, 48.3878,  
13.3543


■ 51.6694, 55.2153,  
56.1374


■ 35.0667, 47.6492,  
10.5041

■ 55.2709, 56.8077,  
68.2463


■ 33.7391, 47.0050,  
8.6257


■ 59.2177, 58.5432,  
81.9453


 32.6105, 46.4449,  
7.5874

 63.5205, 60.4262,  
97.2892

 32.0012, 46.1384,  
7.2190

 66.0413, 61.6015,  
103.0173

 67.5321, 62.3701,  
103.0870

 69.0681, 63.1619,  
103.1589

# Harmonies

## Analogous

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



49.1828, 51.2475, 26.0452



42.8179, 51.2475, 28.7541



38.4160, 51.2475, 38.1375

# Triad

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



42.8179, 51.2475, 28.7541



42.0719, 51.2475, 94.0799



63.0307, 51.2475, 57.1628

# Complementary

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



42.8179, 51.2475, 28.7541



30.0953, 26.2009, 56.2973

# Split Complementary

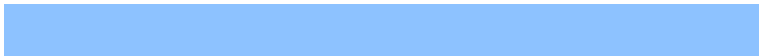
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.6941, 51.2475, 78.2144



42.8179, 51.2475, 28.7541



48.2386, 51.2475, 102.3971

# Square

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



42.8179, 51.2475, 28.7541



38.0144, 51.2475, 75.3178



55.1175, 51.2475, 96.0082



61.2424, 51.2475, 39.9836



# Rectangle

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



42.8179, 51.2475, 28.7541



36.9736, 51.2475, 48.3110



55.1175, 51.2475, 96.0082



62.6974, 51.2475, 64.0252

# Sweetspot

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



42.8192, 51.2498, 28.7552



88.8718, 97.2583, 88.5840



37.4519, 34.2733, 25.7613



18.8468, 20.7391, 18.3974



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

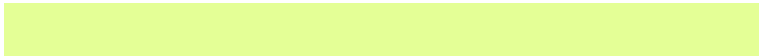


# Same Dimension

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



42.8192, 51.2498, 28.7552



73.4444, 90.3069, 42.6046



35.9851, 47.7267, 28.4354



11.2509, 12.2763, 11.3393



21.1279, 30.3871, 4.7517



1.0644, 1.4718, 0.2280



# Inverse Universe

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



30.0953, 26.2009, 56.2973



47.1560, 38.5218, 99.5578



36.9431, 29.7311, 56.6178



10.3048, 10.4154, 13.3847



7.5600, 3.1316, 34.9504



0.4273, 0.1840, 1.6581



# Previews

## White Background



This preview shows how the XYZ color 42.8179, 51.2475, 28.7541 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 42.8179, 51.2475, 28.7541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

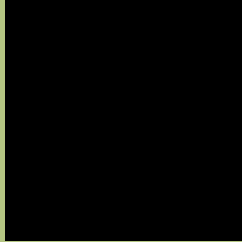
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.8179, 51.2475, 28.7541**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.8179, 51.2475, 28.7541.



This preview shows how white text looks on a background with the XYZ color 42.8179, 51.2475,



# 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

42.8179, 51.2475, 28.7541

### Protanopia

47.2052, 50.9066, 27.4167

### Deuteranopia

51.8088, 50.7488, 29.2552



## Tritanopia

49.9979, 51.2254, 63.7522

# Trichromacy



## Original Color

42.8179, 51.2475, 28.7541

## Protanomaly

45.5109, 50.9935, 27.8661

## Deuteranomaly

48.2297, 50.7619, 29.0858

## Tritanomaly

46.7170, 50.8353, 48.4242

# Monochromacy



## Original Color

42.8179, 51.2475, 28.7541

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

44.4269, 49.1428, 42.2659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.8179, 51.2475, 28.7541 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, 197, 130)` looks like.

```
.text, #text, p{  
    color:rgb(180, 197, 130)  
}
```

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, 197, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 197, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 42.8179, 51.2475, 28.7541 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, 197, 130) }
```



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

```
.border{ border-color:rgb(180, 197, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 197, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 197, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 197, 130); box-shadow:4px 4px 4px 4px rgb(180, 197, 130) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.8179, 51.2475, 28.7541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 197, 130) }
```

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

```
.background{ background-color: rgb(180,  
197, 130) }
```

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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