

# Converting Colors

XYZ(28.9375, 41.2163, 24.6774)

Have a look what the booklet for  
XYZ(28.9375, 41.2163, 24.6774)  
contains.

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# Color

**XYZ(28.9056, 41.1985,  
24.5178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76BC79
RGB	118, 188, 121
RGB Percent	46%, 74%, 47%
CMY	0.5373, 0.2627, 0.5255
CMYK	0.37, 0.00, 0.36, 0.26
HSL	123°, 34%, 60%
HSV	123°, 37%, 74%
XYZ	28.9056, 41.1985, 24.5178
YIQ	159.4320, -20.2130, -35.6770

# Conversions

## Conversions Part 2

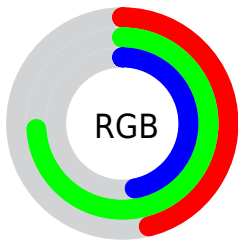
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 185, 188
Decimal	7781497
CIELab	70.31, -35.81, 27.14
CIELCh	70, 44.930, 142.835
Yxy	41.1985, 0.3055, 0.4354
Android (android.graphics.Color)	4285971577 (0xFF76BC79)
YUV	159.4320, -18.9470, -36.3359
Hunter-Lab	64.1861, -31.9398, 22.2826

# Details

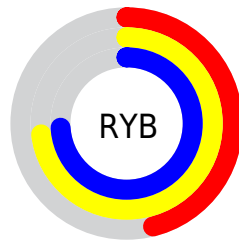
The XYZ color **28.9056, 41.1985, 24.5178** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.9757, 27.1517, 49.2449**, and the grayscale version is **33.2442, 34.9754, 38.0883**.

A 20% lighter version of the original color is **57.5260, 77.2450, 51.9222**, and **11.8424, 18.6289, 8.9328** is the 20% darker color. If you saturate the color by 10%, you get **25.6001, 39.6115, 19.1305**, and if you desaturate by 10%, it is **32.9279, 43.1336, 31.0148**.

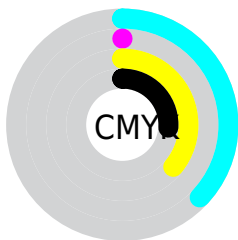
# Distribution



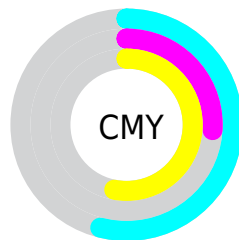
- Red (46%)
- Green (74%)
- Blue (47%)



- Red (46%)
- Yellow (73%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (36%)
- Black (26%)



- Cyan (54%)
- Magenta (26%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9056, 41.1985, 24.5178 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 28.9056, 41.1985, 24.5178 by changing the saturation by 10% instead.



■ 28.9056, 41.1985,  
24.5178

■ 28.9056, 41.1985,  
24.5178

288.7715,  
351.1496, 288.7984

■ 19.1533, 28.4742,  
15.5024

■ 57.3257, 76.9851,  
51.8282

■ 11.8858, 18.6834,  
9.0222

■ 76.7242, 100.8163,  
70.9604

■ 6.7376, 11.4418,  
4.6587

■ 100.0688,  
129.1185, 94.3019

■ 3.3434, 6.3648,  
1.9932

127.7250,  
162.2762, 122.2713

■ 1.3379, 3.0681,  
0.5511

160.0580,  
200.6737, 155.2871

■ 0.2113, 1.1674,  
0.0000

197.4332,

■ 0.0000, 0.0348,

244.6956, 193.7678

0.0000

240.2159,  
294.7260, 238.1321

■ 0.0000, 0.0000,  
0.0000

■ 28.9056, 41.1985,  
24.5178

■ 28.9056, 41.1985,  
24.5178

■ 25.6001, 39.6115,  
19.1305

■ 32.9279, 43.1336,  
31.0148

■ 22.9664, 38.3471,  
14.7884

■ 37.7023, 45.4303,  
38.6759

■ 20.9593, 37.3848,  
11.4245


■ 43.2656, 48.1075,  
47.5550


■ 19.5268, 36.6993,  
8.9630


■ 49.6512, 51.1815,  
57.7020


■ 18.6084, 36.2614,  
7.3168


■ 56.8907, 54.6673,  
69.1640

 18.1220, 36.0308,  
6.3815

 65.0138, 58.5796,  
81.9855

 18.0282, 35.9858,  
6.2273

 74.0490, 62.9319,  
96.2092

 77.2741, 64.4481,  
102.9747

# Harmonies

## Analogous

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



33.9063, 41.1985, 16.8655



28.9056, 41.1985, 24.5178



26.7012, 41.1985, 39.9790

# Triad

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



28.9056, 41.1985, 24.5178



37.4150, 41.1985, 98.4524



53.7421, 41.1985, 30.8658

# Complementary

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



28.9056, 41.1985, 24.5178



35.9757, 27.1517, 49.2449

# 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.



54.9879, 41.1985, 50.1189



28.9056, 41.1985, 24.5178



44.9256, 41.1985, 93.6893

# Square

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



28.9056, 41.1985, 24.5178



31.1976, 41.1985, 85.6508



51.5863, 41.1985, 74.1520



48.3688, 41.1985, 19.6454

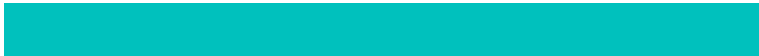


# Rectangle

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



28.9056, 41.1985, 24.5178



26.8904, 41.1985, 54.5028



51.5863, 41.1985, 74.1520



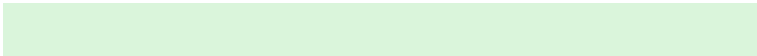
54.6829, 41.1985, 36.4242

# Sweetspot

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



28.9067, 41.2002, 24.5187



74.2568, 85.1854, 79.5649



41.4238, 47.6740, 24.1584



15.6736, 18.1768, 16.6393



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.



28.9067, 41.2002, 24.5187



47.2126, 72.1797, 36.0092



31.4000, 42.1976, 37.6483



9.4249, 10.6561, 10.2211



12.2811, 24.5027, 4.2769



0.4868, 0.9621, 0.1977



# Inverse Universe

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



35.9757, 27.1517, 49.2449



61.9398, 42.9000, 87.5137



32.7775, 25.8725, 32.4036



9.9118, 9.6890, 11.9246



19.7323, 9.5241, 30.2134



0.7785, 0.3753, 1.2126



# Previews

## White Background



This preview shows how the XYZ color 28.9056, 41.1985, 24.5178 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 28.9056, 41.1985, 24.5178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

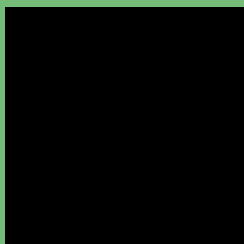
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 28.9056, 41.1985, 24.5178**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.9056, 41.1985, 24.5178.



This preview shows how white text looks on a background with the XYZ color 28.9056, 41.1985,

24.5178.

# 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

28.9056, 41.1985, 24.5178

### Protanopia

37.8499, 40.7798, 21.7960

### Deuteranopia

41.3985, 40.6138, 25.3960



## Tritanopia

35.2615, 40.9960, 56.5066

# Trichromacy



## Original Color

28.9056, 41.1985, 24.5178

## Protanomaly

33.6310, 40.3057, 22.8369

## Deuteranomaly

35.3762, 40.0003, 24.9251

## Tritanomaly

32.4554, 40.7579, 42.7157

# Monochromacy



## Original Color

28.9056, 41.1985, 24.5178

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

30.9872, 36.7231, 32.2431

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.9056, 41.1985, 24.5178 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(118, 188, 121)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 121)  
}
```

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(118, 188, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 28.9056, 41.1985, 24.5178 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(118, 188, 121) }
```



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

```
.border{ border-color:rgb(118, 188, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 121);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.9056, 41.1985, 24.5178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 121) }
```

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

```
.background{ background-color: rgb(118,  
188, 121) }
```

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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