

# Converting Colors

XYZ(28.7497, 52.1186, 22.4587)

Have a look what the booklet for  
XYZ(28.7497, 52.1186, 22.4587)  
contains.

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# Color

**XYZ(28.7483, 52.1179,  
22.4545)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25DB6B
RGB	37, 219, 107
RGB Percent	15%, 86%, 42%
CMY	0.8549, 0.1412, 0.5804
CMYK	0.83, 0.00, 0.51, 0.14
HSL	143°, 72%, 50%
HSV	143°, 83%, 86%
XYZ	28.7483, 52.1179, 22.4545
YIQ	151.8140, -72.5200, -73.4160

# Conversions

## Conversions Part 2

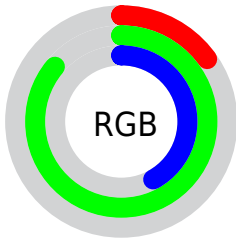
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 168, 219
Decimal	2481003
CIELab	77.35, -66.75, 42.79
CIELCh	77, 79.283, 147.337
Yxy	52.1179, 0.2782, 0.5044
Android (android.graphics.Color)	4280671083 (0xFF25DB6B)
YUV	151.8140, -22.0933, -100.6919
Hunter-Lab	72.1927, -55.2557, 32.0936

# Details

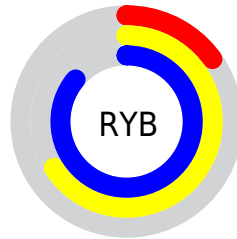
The XYZ color **28.7483, 52.1179, 22.4545** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **35.3014, 18.5540, 30.1561**, and the grayscale version is **29.8807, 31.4368, 34.2347**.

A 20% lighter version of the original color is **49.3076, 77.7711, 45.6702**, and **13.6341, 26.1262, 8.0656** is the 20% darker color. If you saturate the color by 10%, you get **27.5304, 51.5671, 18.9809**, and if you desaturate by 10%, it is **30.5498, 52.9597, 26.5346**.

# Distribution



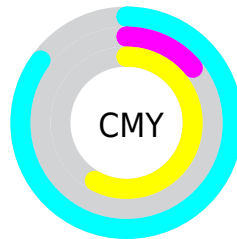
- Red (15%)
- Green (86%)
- Blue (42%)



- Red (15%)
- Yellow (66%)
- Blue (86%)



- Cyan (83%)
- Magenta (0%)
- Yellow (51%)
- Black (14%)




- Cyan (85%)
- Magenta (14%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7483, 52.1179, 22.4545 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 28.7483, 52.1179, 22.4545 by changing the saturation by 10% instead.





 28.7483, 52.1179,  
22.4545


 28.7483, 52.1179,  
22.4545


288.0412,  
394.8916, 277.9412


 19.0338, 37.0991,  
13.9897


 57.0773, 93.3051,  
48.4078


 11.7989, 25.2842,  
7.9749


 76.4225, 120.2422,  
66.7335


 6.6781, 16.2889,  
3.9913


 99.7086, 151.9209,  
89.1832

 3.3061, 9.7288,  
1.6206

 127.3011,  
188.7256, 116.1755

 1.3176, 5.2195,  
0.3054

 159.5652,  
231.0406, 148.1289

 0.1964, 2.3766,  
0.0000

196.8664,

 0.0000, 0.8138,

279.2503, 185.4619

0.0000

239.5699,  
333.7392, 228.5932

■ 0.0000, 0.0000,  
0.0000

■ 28.7483, 52.1179,  
22.4545

■ 28.7483, 52.1179,  
22.4545

■ 27.5304, 51.5671,  
18.9809

■ 30.5498, 52.9597,  
26.5346


■ 26.9419, 51.3088,  
16.9188

■ 33.0092, 54.1258,  
31.2463


■ 36.1928, 55.6514,  
36.6172


■ 40.1576, 57.5654,  
42.6722

■ 44.9545, 59.8936,  
49.4348

 50.6301, 62.6595,  
56.9274

 57.2273, 65.8848,  
65.1713

 64.7861, 69.5898,  
74.1868

 73.3442, 73.7935,  
83.9937

# Harmonies

## Analogous

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



37.2695, 52.1179, 10.0955



28.7483, 52.1179, 22.4545



25.6658, 52.1179, 52.9404

# Triad

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



28.7483, 52.1179, 22.4545



48.1887, 52.1179, 188.4989



80.3665, 52.1179, 26.2911

# Complementary

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



28.7483, 52.1179, 22.4545



35.3014, 18.5540, 30.1561

# 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.



84.9215, 52.1179, 60.7330



28.7483, 52.1179, 22.4545



64.2370, 52.1179, 168.5947

# Square

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



28.7483, 52.1179, 22.4545



35.3544, 52.1179, 160.6713



78.5030, 52.1179, 115.1046



67.0796, 52.1179, 11.3786



# Rectangle

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



28.7483, 52.1179, 22.4545



26.5128, 52.1179, 85.5858



78.5030, 52.1179, 115.1046



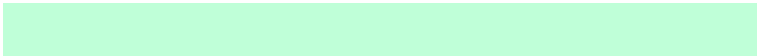
83.0747, 52.1179, 35.2461

# Sweetspot

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



28.7496, 52.1200, 22.4557



69.6736, 87.5747, 78.0408



38.1042, 57.2105, 10.7850



14.2947, 18.4432, 15.8929



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.



28.7496, 52.1200, 22.4557



37.9682, 72.4033, 23.5483



36.2622, 55.1250, 62.0163



13.0928, 14.6887, 14.9514



16.0243, 30.4423, 10.2933



1.0795, 1.9887, 0.8845



# Inverse Universe

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



35.3014, 18.5540, 30.1561



47.3193, 23.6917, 33.9430



30.6460, 16.6919, 5.6412



13.3911, 13.1855, 15.3208



19.9607, 9.9853, 14.7048

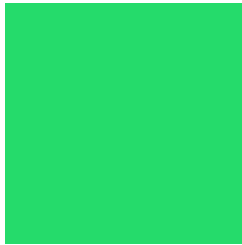


1.3348, 0.6635, 1.1718



# Previews

## White Background



This preview shows how the XYZ color 28.7483, 52.1179, 22.4545 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 28.7483, 52.1179, 22.4545 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

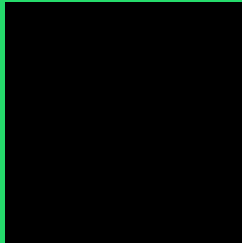
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 28.7483, 52.1179, 22.4545**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.7483, 52.1179, 22.4545.



This preview shows how white text looks on a background with the XYZ color 28.7483, 52.1179, 22.4545.



# 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

28.7483, 52.1179, 22.4545

### Protanopia

46.6498, 50.8136, 18.6586

### Deuteranopia

52.0479, 50.9901, 23.9285



## Tritanopia

39.6070, 51.6440, 77.6928

# Trichromacy



## Original Color

28.7483, 52.1179, 22.4545



## Protanomaly

34.8573, 48.3591, 19.8090



## Deuteranomaly

36.7938, 47.5934, 22.8700



## Tritanomaly

34.2333, 51.2643, 51.8068

# Monochromacy



## Original Color

28.7483, 52.1179, 22.4545



## Achromatopsia

29.8446, 31.3989, 34.1934



## Achromatomaly

26.3997, 36.1432, 28.8775

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.7483, 52.1179, 22.4545 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(37, 219, 107)` looks like.

```
.text, #text, p{  
    color:rgb(37, 219, 107)  
}
```

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(37, 219, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 219, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 28.7483, 52.1179, 22.4545 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(37, 219, 107) }
```



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

```
.border{ border-color:rgb(37, 219, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 219, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(37, 219, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(37, 219, 107); box-shadow:4px 4px 4px 4px rgb(37, 219, 107) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.7483, 52.1179, 22.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 219, 107) }
```

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

```
.background{ background-color: rgb(37, 219,  
107) }
```

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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