

# Converting Colors

XYZ(27.3547, 48.1054, 20.4540)

Have a look what the booklet for  
XYZ(27.3547, 48.1054, 20.4540)  
contains.

<b>XYZ(27.3083, 48.0132, 20.3985)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(27.3083, 48.0132,  
20.3985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CD266
RGB	60, 210, 102
RGB Percent	24%, 82%, 40%
CMY	0.7647, 0.1765, 0.6000
CMYK	0.71, 0.00, 0.51, 0.18
HSL	137°, 63%, 53%
HSV	137°, 71%, 82%
XYZ	27.3083, 48.0132, 20.3985
YIQ	152.8380, -54.7320, -65.3880

# Conversions

## Conversions Part 2

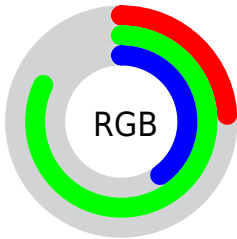
Format	Color
<a href="#">RYB</a>	<a href="#">60, 177, 210</a>
Decimal	<a href="#">3986022</a>
CIELab	<a href="#">74.83, -61.59, 42.17</a>
CIELCh	<a href="#">75, 74.645, 145.602</a>
Yxy	<a href="#">48.0132, 0.2853, 0.5016</a>
Android (android.graphics.Color)	<a href="#">4282176102 (0xFF3CD266)</a>
YUV	<a href="#">152.8380, -25.0631, -81.4189</a>
Hunter-Lab	<a href="#">69.2916, -50.9121, 31.0499</a>

# Details

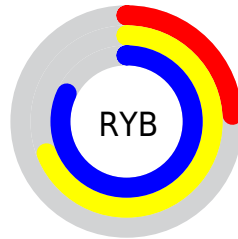
The XYZ color **27.3083, 48.0132, 20.3985** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **35.2634, 19.7612, 39.0023**, and the grayscale version is **30.3313, 31.9109, 34.7510**.

A 20% lighter version of the original color is **50.4288, 78.3986, 43.4849**, and **12.1531, 23.3502, 6.9985** is the 20% darker color. If you saturate the color by 10%, you get **25.5998, 47.2127, 16.7554**, and if you desaturate by 10%, it is **29.6591, 49.1317, 24.7877**.

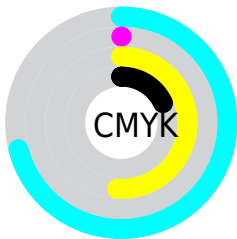
# Distribution



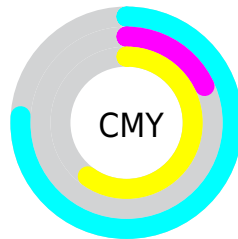
- Red (24%)
- Green (82%)
- Blue (40%)



- Red (24%)
- Yellow (69%)
- Blue (82%)



- Cyan (71%)
- Magenta (0%)
- Yellow (51%)
- Black (18%)




- Cyan (76%)
- Magenta (18%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3083, 48.0132, 20.3985 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 27.3083, 48.0132, 20.3985 by changing the saturation by 10% instead.





 27.3083, 48.0132,  
20.3985


 27.3083, 48.0132,  
20.3985


281.2872,  
378.8444, 266.7396


 17.9427, 33.8373,  
12.4981


 54.7946, 87.2241,  
44.9520


 11.0083, 22.7687,  
6.9572

 73.6460, 113.0278,  
62.4422


 6.1397, 14.4228,  
3.3573


 96.3900, 143.4764,  
83.9661

 2.9717, 8.4153,  
1.2799

 123.3920,  
178.9541, 109.9422

 1.1388, 4.3618,  
0.0452

 155.0174,  
219.8454, 140.7890

 0.0572, 1.8780,  
0.0000

191.6315,

 0.0000, 0.5351,

266.5346, 176.9252

0.0000

233.5996,  
319.4061, 218.7692

■ 0.0000, 0.0000,  
0.0000

■ 27.3083, 48.0132,  
20.3985

■ 27.3083, 48.0132,  
20.3985

■ 25.5998, 47.2127,  
16.7554

■ 29.6591, 49.1317,  
24.7877

■ 24.4590, 46.6885,  
13.8130


■ 32.7087, 50.5926,  
29.9585


■ 23.8319, 46.4089,  
11.8127


■ 36.5112, 52.4242,  
35.9479


■ 41.1142, 54.6505,  
42.7897

■ 46.5612, 57.2932,  
50.5156

 52.8928, 60.3725,  
59.1557

 60.1465, 63.9074,  
68.7389

 68.3580, 67.9155,  
79.2924

 77.5608, 72.4136,  
90.8427

# Harmonies

## Analogous

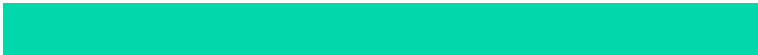
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2598, 48.0132, 9.6900



27.3083, 48.0132, 20.3985



24.2441, 48.0132, 46.7532

# Triad

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



27.3083, 48.0132, 20.3985



43.6628, 48.0132, 167.8418



73.4529, 48.0132, 26.1723

# Complementary

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



27.3083, 48.0132, 20.3985



35.2634, 19.7612, 39.0023

# 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.



76.9203, 48.0132, 58.2222



27.3083, 48.0132, 20.3985



57.8689, 48.0132, 152.8195

# Square

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



27.3083, 48.0132, 20.3985



32.4207, 48.0132, 141.3980



70.7382, 48.0132, 106.9003



62.0259, 48.0132, 11.6753



# Rectangle

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



27.3083, 48.0132, 20.3985



24.8292, 48.0132, 75.0712



70.7382, 48.0132, 106.9003



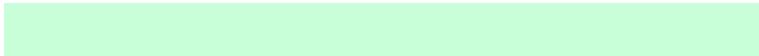
75.6737, 48.0132, 34.6401

# Sweetspot

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



27.3095, 48.0152, 20.3996



72.4208, 88.9809, 78.6255



40.4414, 54.9678, 12.7534



14.9654, 18.7854, 16.0809



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.



27.3095, 48.0152, 20.3996



38.6397, 72.7547, 23.3417



32.6492, 50.1511, 48.5184



11.7904, 13.2599, 13.2528



14.5737, 28.3224, 7.4013



0.8489, 1.5972, 0.5932



# Inverse Universe

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



35.2634, 19.7612, 39.0023



51.5539, 26.3805, 53.1750



30.2610, 17.7602, 12.6599



12.1637, 11.9502, 14.1380



19.6743, 9.7426, 18.9889



1.1329, 0.5579, 1.2349



# Previews

## White Background



This preview shows how the XYZ color 27.3083, 48.0132, 20.3985 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 27.3083, 48.0132, 20.3985 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 27.3083, 48.0132, 20.3985**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.3083, 48.0132, 20.3985.



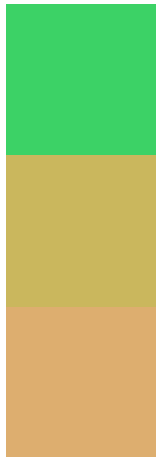
This preview shows how white text looks on a background with the XYZ color 27.3083, 48.0132,



# 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

27.3083, 48.0132, 20.3985

### Protanopia

43.2664, 47.2138, 17.1887

### Deuteranopia

47.8241, 46.7920, 21.5501



## Tritanopia

37.3687, 47.8399, 70.8828

# Trichromacy



## Original Color

27.3083, 48.0132, 20.3985



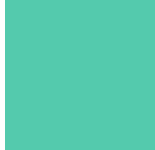
## Protanomaly

33.7590, 45.4685, 18.0633



## Deuteranomaly

35.3774, 44.3047, 20.8744



## Tritanomaly

32.3195, 47.1430, 46.9313

# Monochromacy



## Original Color

27.3083, 48.0132, 20.3985



## Achromatopsia

30.2779, 31.8547, 34.6897



## Achromatomaly

27.0469, 35.9153, 28.0611

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.3083, 48.0132, 20.3985 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(60, 210, 102)` looks like.

```
.text, #text, p{  
    color:rgb(60, 210, 102)  
}
```

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(60, 210, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 210, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 27.3083, 48.0132, 20.3985 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(60, 210, 102) }
```



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

```
.border{ border-color:rgb(60, 210, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 210, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 210, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 210, 102);  
box-shadow:4px 4px 4px 4px rgb(60, 210,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.3083, 48.0132, 20.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 210, 102) }
```

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

```
.background{ background-color: rgb(60, 210,  
102) }
```

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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