

# Converting Colors

XYZ(27.8759, 30.5548, 15.4948)

Have a look what the booklet for  
XYZ(27.8759, 30.5548, 15.4948)  
contains.

<b>XYZ(27.8759, 30.5548, 15.4948)</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(27.8759, 30.5548,  
15.4948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A19760
RGB	161, 151, 96
RGB Percent	63%, 59%, 38%
CMY	0.3686, 0.4078, 0.6235
CMYK	0.00, 0.06, 0.40, 0.37
HSL	51°, 26%, 50%
HSV	51°, 40%, 63%
XYZ	27.8759, 30.5548, 15.4948
YIQ	147.7200, 23.6150, -14.9850

# Conversions

## Conversions Part 2

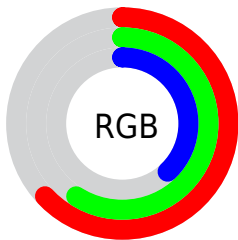
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	108, 161, 96
Decimal	10590048
CIELab	62.13, -4.57, 30.29
CIElCh	62, 30.632, 98.574
Yxy	30.5548, 0.3771, 0.4133
Android (android.graphics.Color)	4288780128 (0xFFA19760)
YUV	147.7200, -25.4980, 11.6466
Hunter-Lab	55.2764, -6.7161, 22.0736

# Details

The XYZ color **27.8759, 30.5548, 15.4948** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.4109, 15.3677, 35.8196**, and the grayscale version is **28.1282, 29.5931, 32.2269**.

A 20% lighter version of the original color is **55.7131, 60.5209, 36.3491**, and **11.2750, 12.5159, 4.6179** is the 20% darker color. If you saturate the color by 10%, you get **26.8153, 29.5007, 11.8513**, and if you desaturate by 10%, it is **29.0983, 31.6892, 19.9419**.

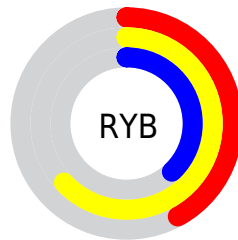
# Distribution



Red (63%)

Green (59%)

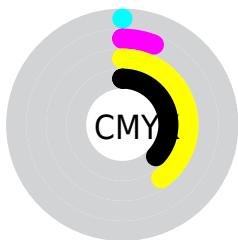
Blue (38%)



Red (42%)

Yellow (63%)

Blue (38%)

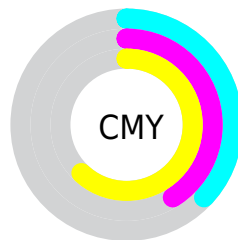


Cyan (0%)

Magenta (6%)

Yellow (40%)

Black (37%)



Cyan (37%)

Magenta (41%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8759, 30.5548, 15.4948 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 27.8759, 30.5548, 15.4948 by changing the saturation by 10% instead.



■ 27.8759, 30.5548,  
15.4948

■ 27.8759, 30.5548,  
15.4948

283.9643,  
304.4820, 238.0849

■ 18.3721, 20.2601,  
9.0169

■ 55.6963, 60.5385,  
36.4734

■ 11.3188, 12.5842,  
4.6553

■ 74.7436, 80.9962,  
51.8112

■ 6.3505, 7.1429,  
1.9913

■ 97.7028, 105.6104,  
70.9394

■ 3.1021, 3.5516,  
0.5499

■ 124.9392,  
134.7654, 94.2765

■ 1.2080, 1.4261,  
0.0000

156.8182,  
168.8457, 122.2410

■ 0.1126, 0.2358,  
0.0000

193.7051,

■ 0.0000, 0.0000,

208.2356, 155.2516

0.0000

235.9654,  
253.3196, 193.7267

■ 27.8759, 30.5548,  
15.4948

■ 27.8759, 30.5548,  
15.4948

■ 26.8153, 29.5007,  
11.8513

■ 29.0983, 31.6892,  
19.9419

■ 25.9047, 28.5189,  
8.9603

■ 30.4887, 32.9031,  
25.2358

■ 25.1345, 27.6064,  
6.7680

■ 32.0558, 34.2014,  
31.4187

■ 24.4930, 26.7585,  
5.2123

■ 33.8072, 35.5869,  
38.5294

■ 23.9661, 25.9696,  
4.2204

■ 35.7497, 37.0626,  
46.6047

■ 23.5360, 25.2531,  
3.6339

■ 37.8901, 38.6312,  
55.6791

■ 40.2345, 40.2953,  
65.7854

■ 42.7890, 42.0574,  
76.9552

■ 45.5594, 43.9199,  
89.2184

# Harmonies

## Analogous

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



32.0336, 30.5548, 16.2983



27.8759, 30.5548, 15.4948



24.3751, 30.5548, 18.4928

# Triad

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



27.8759, 30.5548, 15.4948



23.2760, 30.5548, 49.5218



37.0608, 30.5548, 42.2676

# Complementary

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



27.8759, 30.5548, 15.4948



16.4109, 15.3677, 35.8196

# 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.



34.2682, 30.5548, 54.3541



27.8759, 30.5548, 15.4948



26.2416, 30.5548, 59.1842

# Square

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



27.8759, 30.5548, 15.4948



21.8889, 30.5548, 36.7686



30.2390, 30.5548, 61.1357



37.6035, 30.5548, 29.9988



# Rectangle

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



27.8759, 30.5548, 15.4948



22.7904, 30.5548, 22.7830



30.2390, 30.5548, 61.1357



36.3422, 30.5548, 46.5610

# Sweetspot

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



27.8767, 30.5562, 15.4954



56.8644, 60.8090, 54.0920



21.5262, 17.0012, 16.0114



12.3955, 13.2744, 11.5624



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



27.8767, 30.5562, 15.4954



48.2859, 53.1027, 22.0974



25.5596, 31.8521, 15.8677



7.5562, 8.0508, 7.5358



18.8214, 20.2167, 2.9102



0.4190, 0.4718, 0.0690



# Inverse Universe

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



16.4109, 15.3677, 35.8196



25.0234, 22.2999, 63.3720



18.0423, 14.7676, 35.6178



6.7844, 7.0277, 8.9020



5.4316, 2.6426, 27.1536



0.1378, 0.1028, 0.5784



# Previews

## White Background



This preview shows how the XYZ color 27.8759, 30.5548, 15.4948 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 27.8759, 30.5548, 15.4948 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

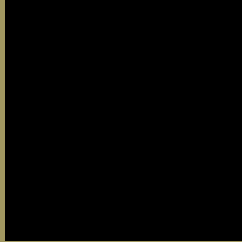
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 27.8759, 30.5548, 15.4948**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.8759, 30.5548, 15.4948.



This preview shows how white text looks on a background with the XYZ color 27.8759, 30.5548,



# 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

27.8759, 30.5548, 15.4948

### Protanopia

28.3275, 30.5497, 15.4700

### Deuteranopia

31.2339, 30.6521, 15.8255



## Tritanopia

31.8260, 30.5286, 35.2255

# Trichromacy



## Original Color

27.8759, 30.5548, 15.4948

## Protanomaly

28.1219, 30.4438, 15.4604

## Deuteranomaly

30.0469, 30.7292, 15.6569

## Tritanomaly

30.2538, 30.5880, 26.8638

# Monochromacy



## Original Color

27.8759, 30.5548, 15.4948

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

27.8468, 29.8522, 25.0632

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.8759, 30.5548, 15.4948 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(161, 151, 96)` looks like.

```
.text, #text, p{  
    color:rgb(161, 151, 96)  
}
```

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(161, 151, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 151, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 27.8759, 30.5548, 15.4948 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(161, 151, 96) }
```



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

```
.border{ border-color:rgb(161, 151, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 151, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 151, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 151, 96);  
box-shadow:4px 4px 4px 4px rgb(161, 151,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.8759, 30.5548, 15.4948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 151, 96) }
```

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

```
.background{ background-color: rgb(161,  
151, 96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor