

# Converting Colors

XYZ(27.5470, 30.5810, 28.5364)

Have a look what the booklet for  
XYZ(27.5470, 30.5810, 28.5364)  
contains.

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# Color

**XYZ(27.4803, 30.5467,  
28.4925)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	90998A
RGB	144, 153, 138
RGB Percent	56%, 60%, 54%
CMY	0.4353, 0.4000, 0.4588
CMYK	0.06, 0.00, 0.10, 0.40
HSL	96°, 7%, 57%
HSV	96°, 10%, 60%
XYZ	27.4803, 30.5467, 28.4925
YIQ	148.5990, -0.5490, -6.5730

# Conversions

## Conversions Part 2

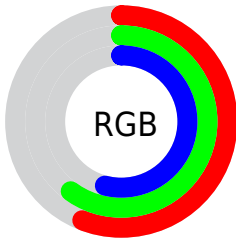
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 153, 147
Decimal	9476490
CIELab	62.12, -6.12, 6.77
CIELCh	62, 9.124, 132.092
Yxy	30.5467, 0.3176, 0.3531
Android (android.graphics.Color)	4287666570 (0xFF90998A)
YUV	148.5990, -5.2253, -4.0333
Hunter-Lab	55.2691, -7.9690, 8.1230

# Details

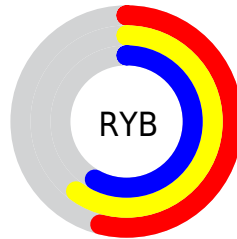
The XYZ color **27.4803, 30.5467, 28.4925** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.8720, 26.6807, 33.8721**, and the grayscale version is **28.4208, 29.9009, 32.5621**.

A 20% lighter version of the original color is **55.0055, 60.3930, 58.0481**, and **11.1289, 12.5870, 11.0755** is the 20% darker color. If you saturate the color by 10%, you get **24.9110, 29.3422, 22.9915**, and if you desaturate by 10%, it is **30.3378, 31.8836, 34.8229**.

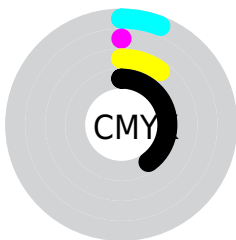
# Distribution



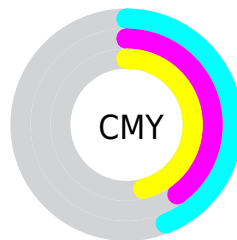
- Red (56%)
- Green (60%)
- Blue (54%)



- Red (54%)
- Yellow (60%)
- Blue (58%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (40%)



- Cyan (44%)
- Magenta (40%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4803, 30.5467, 28.4925 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 27.4803, 30.5467, 28.4925 by changing the saturation by 10% instead.



■ 27.4803, 30.5467,  
28.4925

■ 27.4803, 30.5467,  
28.4925

282.1005,  
304.4445, 308.7985

■ 18.0727, 20.2539,  
18.4550

■ 55.0681, 60.5257,  
58.3023

■ 11.1022, 12.5798,  
11.1043

■ 73.9790, 80.9807,  
78.9117

■ 6.2034, 7.1398,  
6.0220

■ 96.7885, 105.5919,  
103.8821

■ 3.0110, 3.5497,  
2.7894

123.8618,  
134.7436, 133.6321

■ 1.1596, 1.4250,  
0.9882

155.5642,  
168.8204, 168.5802

■ 0.0741, 0.2350,  
0.0000

192.2613,

■ 0.0000, 0.0000,

208.2065, 209.1449

0.0000

234.3183,  
253.2864, 255.7448

■ 27.4803, 30.5467,  
28.4925

■ 27.4803, 30.5467,  
28.4925

■ 24.9110, 29.3422,  
22.9915

■ 30.3378, 31.8836,  
34.8229

■ 22.6178, 28.2618,  
18.2836

■ 33.4902, 33.3528,  
42.0131

■ 20.5914, 27.3025,  
14.3328

■ 36.9468, 34.9594,  
50.0942

■ 18.8210, 26.4596,  
11.0994

■ 40.7160, 36.7072,  
59.0955

■ 17.2949, 25.7279,  
8.5402

■ 44.8058, 38.5996,  
69.0446

■ 16.0004, 25.1020,  
6.6073

■ 49.2238, 40.6399,  
79.9681

■ 14.9235, 24.5759,  
5.2464

■ 53.9774, 42.8315,  
91.8916

■ 14.0481, 24.1425,  
4.3942

■ 58.1913, 44.8245,  
100.1927

■ 13.3408, 23.7882,  
3.8970

■ 61.0044, 46.2747,  
100.3244

# Harmonies

## Analogous

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



28.5421, 30.5467, 27.0793



27.4803, 30.5467, 28.4925



26.8454, 30.5467, 31.2249

# Triad

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



27.4803, 30.5467, 28.4925



28.3141, 30.5467, 40.1151



31.4030, 30.5467, 31.8643

# Complementary

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



27.4803, 30.5467, 28.4925



26.8720, 26.6807, 33.8721

# 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.



31.3378, 30.5467, 35.3820



27.4803, 30.5467, 28.4925



29.5309, 30.5467, 40.3165

# Square

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



27.4803, 30.5467, 28.4925



27.3174, 30.5467, 37.9997



30.6446, 30.5467, 38.5320



30.8205, 30.5467, 28.9321



# Rectangle

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



27.4803, 30.5467, 28.4925



26.7386, 30.5467, 33.5075



30.6446, 30.5467, 38.5320



31.4566, 30.5467, 33.0140

# Sweetspot

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



27.4811, 30.5480, 28.4932



52.6069, 56.2928, 58.5058



28.1592, 29.4759, 28.2505



11.5282, 12.3889, 12.7230



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178



# Same Dimension

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



27.4811, 30.5480, 28.4932



48.0473, 54.1591, 48.4953



26.5702, 30.0658, 29.0215



6.3543, 7.0401, 6.6298



11.0506, 19.6727, 3.2148



0.2046, 0.3144, 0.0499



# Inverse Universe

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



26.8720, 26.6807, 33.8721



46.7077, 45.6555, 60.3226



27.8531, 27.2007, 33.2751



6.2220, 6.2003, 7.7978



8.4225, 3.7930, 25.1959



0.1668, 0.0778, 0.3786



# Previews

## White Background



This preview shows how the XYZ color 27.4803, 30.5467, 28.4925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

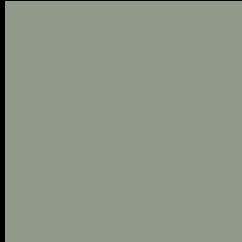
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.4803, 30.5467, 28.4925 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

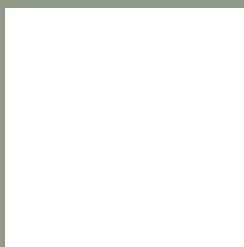
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.4803, 30.5467, 28.4925**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4803, 30.5467, 28.4925.



This preview shows how white text looks on a background with the XYZ color 27.4803, 30.5467,



# 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

27.4803, 30.5467, 28.4925

### Protanopia

28.9017, 30.3404, 27.6255

### Deuteranopia

31.0075, 30.4691, 29.0578



## Tritanopia

29.5521, 30.6818, 38.0828

# Trichromacy



## Original Color

27.4803, 30.5467, 28.4925

## Protanomaly

28.3706, 30.2942, 28.0190

## Deuteranomaly

29.5482, 30.4148, 28.7394

## Tritanomaly

28.8490, 30.6362, 34.5299

# Monochromacy



## Original Color

27.4803, 30.5467, 28.4925

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

28.0498, 30.0601, 31.1119

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4803, 30.5467, 28.4925 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(144, 153, 138)` looks like.

```
.text, #text, p{  
    color:rgb(144, 153, 138)  
}
```

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(144, 153, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 153, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4803, 30.5467, 28.4925 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(144, 153, 138) }
```



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

```
.border{ border-color:rgb(144, 153, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 153, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 153, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 153, 138); box-shadow:4px 4px 4px 4px rgb(144, 153, 138) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4803, 30.5467, 28.4925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 153, 138) }
```

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

```
.background{ background-color: rgb(144,  
153, 138) }
```

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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