

# Converting Colors

XYZ(28.4185, 27.4204, 30.2892)

Have a look what the booklet for  
XYZ(28.4185, 27.4204, 30.2892)  
contains.

<b>XYZ(28.2778, 27.2759, 30.1599)</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(28.2778, 27.2759,  
30.1599)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F8990
RGB	159, 137, 144
RGB Percent	62%, 54%, 56%
CMY	0.3765, 0.4627, 0.4353
CMYK	0.00, 0.14, 0.09, 0.38
HSL	341°, 10%, 58%
HSV	341°, 14%, 62%
XYZ	28.2778, 27.2759, 30.1599
YIQ	144.3760, 10.8650, 6.8410

# Conversions

## Conversions Part 2

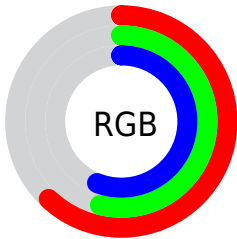
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 137, 144
Decimal	10455440
CIE Lab	59.23, 9.53, -0.67
CIE LCh	59, 9.550, 355.990
Yxy	27.2759, 0.3299, 0.3182
Android (android.graphics.Color)	4288645520 (0xFF9F8990)
YUV	144.3760, -0.1854, 12.8252
Hunter-Lab	52.2263, 5.2522, 2.3194

# Details

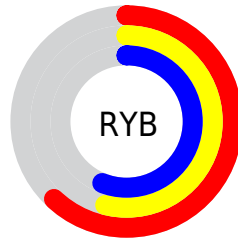
The XYZ color **28.2778, 27.2759, 30.1599** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.3833, 32.3824, 34.4619**, and the grayscale version is **26.6592, 28.0475, 30.5438**.

A 20% lighter version of the original color is **56.3381, 55.2003, 61.1115**, and **11.4920, 10.7503, 12.0590** is the 20% darker color. If you saturate the color by 10%, you get **25.3928, 22.7689, 25.3042**, and if you desaturate by 10%, it is **31.5770, 32.4834, 35.5471**.

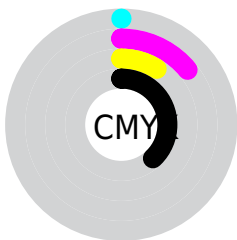
# Distribution



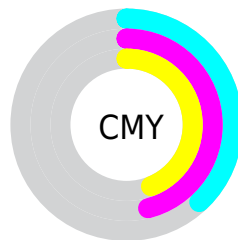
- Red (62%)
- Green (54%)
- Blue (56%)



- Red (62%)
- Yellow (54%)
- Blue (56%)



- Cyan (0%)
- Magenta (14%)
- Yellow (9%)
- Black (38%)



- Cyan (38%)
- Magenta (46%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2778, 27.2759, 30.1599 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 28.2778, 27.2759, 30.1599 by changing the saturation by 10% instead.



■ 28.2778, 27.2759,  
30.1599

■ 28.2778, 27.2759,  
30.1599

285.8480,  
288.9905, 316.8795

■ 18.6767, 17.7805,  
19.7069

■ 56.3332, 55.3263,  
60.9790

■ 11.5395, 10.7925,  
12.0002

■ 75.5182, 74.6501,  
82.1821

■ 6.5009, 5.9275,  
6.6213

■ 98.6286, 98.0188,  
107.8057

■ 3.1955, 2.8011,  
3.1516

126.0296,  
125.8169, 138.2683

■ 1.2580, 1.0288,  
1.1725

158.0868,  
158.4287, 173.9884

■ 0.1514, 0.0000,  
0.0000

195.1653,

■ 0.0000, 0.0000,

196.2387, 215.3847

0.0000

237.6306,  
239.6311, 262.8755

■ 28.2778, 27.2759,  
30.1599

■ 28.2778, 27.2759,  
30.1599

■ 25.3928, 22.7689,  
25.3042

■ 31.5770, 32.4834,  
35.5471

■ 22.9031, 18.9287,  
20.9616

■ 35.3039, 38.4158,  
41.4797

■ 20.7913, 15.7246,  
17.1153

■ 39.4742, 45.1009,  
47.9737

■ 19.0383, 13.1217,  
13.7467

■ 44.1021, 52.5638,  
55.0435

■ 17.6229, 11.0819,  
10.8359

■ 49.2012, 60.8287,  
62.7030

■ 16.5215, 9.5627,  
8.3619

■ 54.7844, 69.9184,  
70.9659

■ 15.7077, 8.5154,  
6.3012

■ 60.8641, 79.8552,  
79.8452

■ 15.1497, 7.8818,  
4.6280

■ 64.4454, 84.6459,  
88.3510

■ 14.8865, 7.6063,  
3.7668

■ 66.0227, 85.2768,  
96.6568

# Harmonies

## Analogous

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



27.8705, 27.2759, 33.5214



28.2778, 27.2759, 30.1599



28.0389, 27.2759, 26.9157

# Triad

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



28.2778, 27.2759, 30.1599



24.9340, 27.2759, 24.1836



24.6647, 27.2759, 35.4757

# Complementary

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



28.2778, 27.2759, 30.1599



28.3833, 32.3824, 34.4619

# 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.



23.9199, 27.2759, 32.6675



28.2778, 27.2759, 30.1599



24.0721, 27.2759, 26.1785

# Square

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



28.2778, 27.2759, 30.1599



26.0854, 27.2759, 23.6234



23.7063, 27.2759, 29.2425



25.7651, 27.2759, 36.7356



# Rectangle

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



28.2778, 27.2759, 30.1599



27.5492, 27.2759, 25.2259



23.7063, 27.2759, 29.2425



24.3658, 27.2759, 34.6715

# Sweetspot

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



28.2786, 27.2771, 30.1605



56.3993, 57.9337, 63.4163



28.0912, 27.0391, 36.5398



12.6137, 12.9003, 14.1333



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.



28.2786, 27.2771, 30.1605



48.7583, 45.8942, 50.8735



28.2902, 28.1299, 27.6070



6.7157, 6.6792, 7.3538



11.7749, 6.0145, 3.0658



0.2286, 0.1148, 0.1499



# Inverse Universe

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



28.2786, 27.2771, 30.1605



48.7583, 45.8942, 50.8735



28.3524, 31.3762, 37.3631



6.7157, 6.6792, 7.3538



11.7749, 6.0145, 3.0658



0.2286, 0.1148, 0.1499



# Previews

## White Background



This preview shows how the XYZ color 28.2778, 27.2759, 30.1599 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

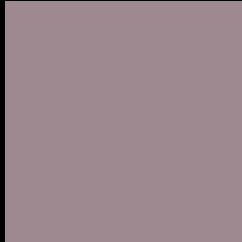
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 28.2778, 27.2759, 30.1599 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 × Fail

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

**XYZ 28.2778, 27.2759, 30.1599**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.2778, 27.2759, 30.1599.



This preview shows how white text looks on a background with the XYZ color 28.2778, 27.2759,



# 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

28.2778, 27.2759, 30.1599

### Protanopia

26.4411, 27.3819, 31.4954

### Deuteranopia

27.8328, 27.2585, 30.1800



## Tritanopia

28.3687, 27.0858, 31.3367

# Trichromacy



## Original Color

28.2778, 27.2759, 30.1599

## Protanomaly

26.9608, 27.2211, 31.0273

## Deuteranomaly

28.0271, 27.3587, 30.1891

## Tritanomaly

28.2905, 27.0546, 30.9251

# Monochromacy



## Original Color

28.2778, 27.2759, 30.1599

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

26.9533, 27.4529, 30.2639

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.2778, 27.2759, 30.1599 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(159, 137, 144)` looks like.

```
.text, #text, p{  
    color:rgb(159, 137, 144)  
}
```

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(159, 137, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 137, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 28.2778, 27.2759, 30.1599 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".

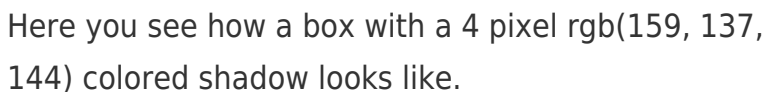
```
.border, #border, table{ border:4px solid rgb(159, 137, 144) }
```



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

```
.border{ border-color:rgb(159, 137, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 137, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 137, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 137, 144); box-shadow:4px 4px 4px 4px rgb(159, 137, 144) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.2778, 27.2759, 30.1599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 137, 144) }
```

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

```
.background{ background-color: rgb(159,  
137, 144) }
```

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