

Converting Colors

XYZ(27.7129, 28.9547, 30.7300)

Have a look what the booklet for
XYZ(27.7129, 28.9547, 30.7300)
contains.

XYZ(27.7841, 28.9917, 30.9196)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.7841, 28.9917,
30.9196)**

Conversions

Conversions Part 1

Format	Color
Hex	959291
RGB	149, 146, 145
RGB Percent	58%, 57%, 57%
CMY	0.4157, 0.4274, 0.4314
CMYK	0.00, 0.02, 0.03, 0.42
HSL	15°, 2%, 58%
HSV	15°, 3%, 58%
XYZ	27.7841, 28.9917, 30.9196
YIQ	146.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

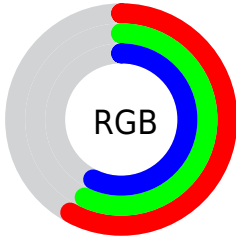
Format	Color
R _Y B	149, 146, 145
Decimal	9802385
CIE Lab	60.77, 0.91, 0.91
CIE LCh	61, 1.289, 44.987
Yxy	28.9917, 0.3168, 0.3306
Android (android.graphics.Color)	4287992465 (0xFF959291)
YUV	146.7830, -0.8790, 1.9443
Hunter-Lab	53.8439, -2.1188, 3.6438

Details

The XYZ color **27.7841, 28.9917, 30.9196** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.6916, 29.3688, 32.6432**, and the grayscale version is **27.6471, 29.0869, 31.6757**.

A 20% lighter version of the original color is **55.5917, 58.1286, 62.3228**, and **11.2854, 11.7886, 12.5071** is the 20% darker color. If you saturate the color by 10%, you get **25.0723, 25.2875, 24.7141**, and if you desaturate by 10%, it is **30.8163, 33.0949, 37.9761**.

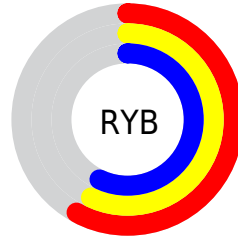
Distribution



Red (58%)

Green (57%)

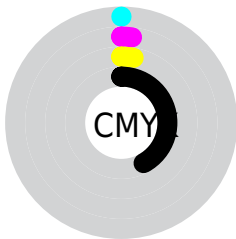
Blue (57%)



Red (58%)

Yellow (57%)

Blue (57%)

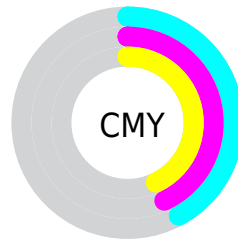


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (42%)



Cyan (42%)

Magenta (43%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7841, 28.9917, 30.9196 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 27.7841, 28.9917, 30.9196 by changing the saturation by 10% instead.

■ 27.7841, 28.9917,
30.9196

■ 27.7841, 28.9917,
30.9196

283.5326,
297.1758, 320.5075

■ 18.3026, 19.0745,
20.2797

■ 55.5506, 58.0639,
62.1916

■ 11.2685, 11.7242,
12.4124

■ 74.5663, 77.9877,
83.6607

■ 6.3163, 6.5561,
6.8993

97.4909, 102.0159,
109.5766

■ 3.0808, 3.1861,
3.3217

124.6895,
130.5328, 140.3579

■ 1.1967, 1.2296,
1.2611

156.5277,
163.9229, 176.4231

■ 0.1037, 0.0857,
0.0296

193.3707,

■ 0.0000, 0.0000,

202.5705, 218.1907

0.0000

235.5839,
246.8600, 266.0793

■ 27.7841, 28.9917,
30.9196

■ 27.7841, 28.9917,
30.9196

■ 25.0723, 25.2875,
24.7141

■ 30.8163, 33.0949,
37.9761

■ 22.6678, 21.9665,
19.3256

■ 34.1767, 37.6046,
45.9122

■ 20.5603, 19.0175,
14.7202

■ 37.8755, 42.5330,
54.7575

■ 18.7379, 16.4273,
10.8612

■ 41.9222, 47.8908,
64.5398

■ 17.1878, 14.1819,
7.7091

■ 46.3255, 53.6879,
75.2855

■ 15.8962, 12.2665,
5.2202

■ 51.0940, 59.9342,
87.0200

■ 14.8482, 10.6649,
3.3465

■ 56.2361, 66.6392,
99.7678

■ 14.0269, 9.3596,
2.0329

■ 60.2423, 73.2052,
105.5627

■ 13.4132, 8.3312,
1.2147

■ 63.5452, 79.8109,
106.6636

Harmonies

Analogous

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



27.8679, 28.9917, 31.3292



27.7841, 28.9917, 30.9196



27.6392, 28.9917, 30.6847

Triad

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



27.7841, 28.9917, 30.9196



27.2459, 28.9917, 31.3288



27.6391, 28.9917, 32.4662

Complementary

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



27.7841, 28.9917, 30.9196



27.6916, 29.3688, 32.6432

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.



27.4724, 28.9917, 32.4661



27.7841, 28.9917, 30.9196



27.2459, 28.9917, 31.8061

Square

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



27.7841, 28.9917, 30.9196



27.3287, 28.9917, 30.9193



27.3286, 28.9917, 32.2234



27.7840, 28.9917, 32.2237

Rectangle

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



27.7841, 28.9917, 30.9196



27.5278, 28.9917, 30.6573



27.3286, 28.9917, 32.2234



27.5837, 28.9917, 32.4946

Sweetspot

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



27.7849, 28.9930, 30.9202



50.6221, 53.0948, 57.3693



27.8654, 28.7788, 32.1034



11.2260, 11.7767, 12.7311



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



27.7849, 28.9930, 30.9202



49.5657, 51.6596, 54.9280



28.0954, 29.6140, 31.0237



6.2575, 6.5091, 6.8865



11.0190, 6.5524, 0.6840



0.1554, 0.1213, 0.0152

Inverse Universe

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



27.6916, 29.3688, 32.6432



49.3756, 52.4253, 58.4380



27.3811, 28.7478, 32.5397



6.2285, 6.6255, 7.4203



9.4328, 11.5604, 25.6653



0.1388, 0.1883, 0.3219

Previews

White Background



This preview shows how the XYZ color 27.7841, 28.9917, 30.9196 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 27.7841, 28.9917, 30.9196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

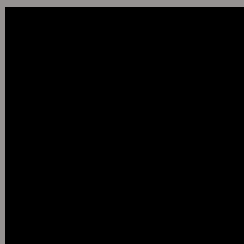
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

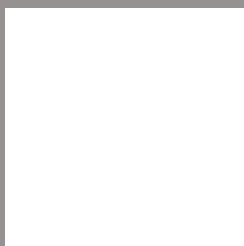
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7841, 28.9917, 30.9196

Background



This preview shows how black text looks on a background with the XYZ color 27.7841, 28.9917, 30.9196.



This preview shows how white text looks on a background with the XYZ color 27.7841, 28.9917,

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

27.7841, 28.9917, 30.9196

Protanopia

27.7841, 28.9917, 30.9196

Deuteranopia

29.5593, 28.9984, 31.2334



Tritanopia

28.7365, 28.9261, 35.5212

Trichromacy



Original Color

27.7841, 28.9917, 30.9196

Protanomaly

27.7841, 28.9917, 30.9196

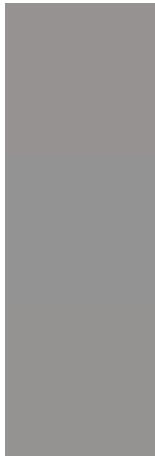
Deuteranomaly

28.9154, 28.8883, 31.2461

Tritanomaly

28.3706, 29.0018, 33.8084

Monochromacy



Original Color

27.7841, 28.9917, 30.9196

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.8348, 29.2387, 31.3707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7841, 28.9917, 30.9196 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(149, 146, 145)` looks like.

```
.text, #text, p{  
    color:rgb(149, 146, 145)  
}
```

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(149, 146, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 146, 145) }
```

Border

The CSS property to change the border of an element to XYZ 27.7841, 28.9917, 30.9196 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(149, 146, 145) }
```


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

```
.border{ border-color:rgb(149, 146, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 146, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 146, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 146, 145);  
box-shadow:4px 4px 4px 4px rgb(149, 146,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7841, 28.9917, 30.9196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 146, 145) }
```

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

```
.background{ background-color: rgb(149,  
146, 145) }
```

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