

Converting Colors

XYZ(27.6234, 28.8654, 29.5233)

Have a look what the booklet for
XYZ(27.6234, 28.8654, 29.5233)
contains.

XYZ(27.7390, 28.9948, 29.7257)	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(27.7390, 28.9948,
29.7257)**

Conversions

Conversions Part 1

Format	Color
Hex	96928E
RGB	150, 146, 142
RGB Percent	59%, 57%, 56%
CMY	0.4118, 0.4274, 0.4431
CMYK	0.00, 0.03, 0.05, 0.41
HSL	30°, 4%, 57%
HSV	30°, 5%, 59%
XYZ	27.7390, 28.9948, 29.7257
YIQ	146.7400, 3.6680, -0.3960

Conversions

Conversions Part 2

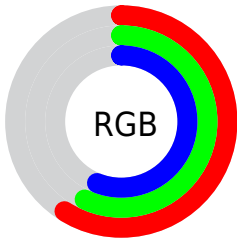
Format	Color
RYB	150, 150, 142
Decimal	9867918
CIELab	60.78, 0.72, 2.63
CIELCh	61, 2.727, 74.687
Yxy	28.9948, 0.3208, 0.3354
Android (android.graphics.Color)	4288057998 (0xFF96928E)
YUV	146.7400, -2.3368, 2.8590
Hunter-Lab	53.8468, -2.2783, 4.9622

Details

The XYZ color **27.7390, 28.9948, 29.7257** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.9391, 28.5099, 32.9375**, and the grayscale version is **27.6347, 29.0739, 31.6615**.

A 20% lighter version of the original color is **55.5199, 58.1314, 60.5188**, and **11.2602, 11.7911, 11.8076** is the 20% darker color. If you saturate the color by 10%, you get **25.5704, 26.3400, 23.8154**, and if you desaturate by 10%, it is **30.1366, 31.8643, 36.4608**.

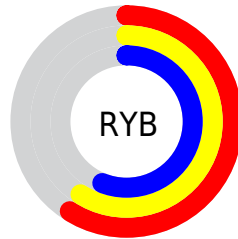
Distribution



Red (59%)

Green (57%)

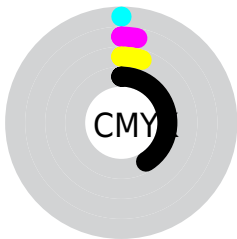
Blue (56%)



Red (59%)

Yellow (59%)

Blue (56%)

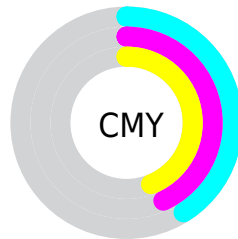


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (41%)



Cyan (41%)

Magenta (43%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7390, 28.9948, 29.7257 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 27.7390, 28.9948, 29.7257 by changing the saturation by 10% instead.

■ 27.7390, 28.9948,
29.7257

■ 27.7390, 28.9948,
29.7257

283.3204,
297.1904, 314.7912

■ 18.2685, 19.0769,
19.3802

■ 55.4790, 58.0688,
60.2840

■ 11.2437, 11.7258,
11.7657

■ 74.4792, 77.9937,
81.3339

■ 6.2995, 6.5573,
6.4638

■ 97.3867, 102.0231,
106.7889

■ 3.0704, 3.1868,
3.0558

124.5668,
130.5413, 137.0677

■ 1.1911, 1.2300,
1.1232

156.3848,
163.9327, 172.5888

■ 0.0993, 0.0860,
0.0000

193.2062,

■ 0.0000, 0.0000,

202.5818, 213.7707

0.0000

235.3963,
246.8729, 261.0320

■ 27.7390, 28.9948,
29.7257

■ 27.7390, 28.9948,
29.7257

■ 25.5704, 26.3400,
23.8154

■ 30.1366, 31.8643,
36.4608

■ 23.6208, 23.8907,
18.6959

■ 32.7678, 34.9497,
44.0492

■ 21.8833, 21.6428,
14.3336

■ 35.6401, 38.2572,
52.5203

■ 20.3493, 19.5903,
10.6916

■ 38.7601, 41.7915,
61.9015

■ 19.0098, 17.7272,
7.7301

■ 42.1339, 45.5571,
72.2192

■ 17.8551, 16.0469,
5.4052

■ 45.7675, 49.5585,
83.4984

■ 16.8740, 14.5423,
3.6679

■ 49.6666, 53.7999,
95.7635

■ 16.0544, 13.2056,
2.4619

■ 52.6888, 57.8262,
102.9923

■ 15.3802, 12.0275,
1.7120

■ 54.5358, 61.5201,
103.6080

Harmonies

Analogous

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



28.0459, 28.9948, 30.2181



27.7390, 28.9948, 29.7257



27.3863, 28.9948, 29.7204

Triad

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



27.7390, 28.9948, 29.7257



26.9049, 28.9948, 32.0677



28.0406, 28.9948, 32.9780

Complementary

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



27.7390, 28.9948, 29.7257



26.9391, 28.5099, 32.9375

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.



27.7318, 28.9948, 33.4956



27.7390, 28.9948, 29.7257



27.0772, 28.9948, 32.9625

Square

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



27.7390, 28.9948, 29.7257



26.9068, 28.9948, 31.0579



27.3792, 28.9948, 33.4899



28.2210, 28.9948, 32.0885

Rectangle

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



27.7390, 28.9948, 29.7257



27.1728, 28.9948, 29.9931



27.3792, 28.9948, 33.4899



27.9482, 28.9948, 33.2021

Sweetspot

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



27.7398, 28.9961, 29.7263



50.3025, 52.7966, 56.2112



27.4393, 27.9057, 31.1346



11.1596, 11.7147, 12.4904



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.



27.7398, 28.9961, 29.7263



48.6393, 50.7898, 51.5891



28.3668, 30.2500, 29.9353



6.1638, 6.4336, 6.5104



12.5538, 9.6221, 1.1956



0.1831, 0.1766, 0.0244

Inverse Universe

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



26.9391, 28.5099, 32.9375



47.0265, 49.8106, 58.0571



26.3337, 27.2992, 32.7357



5.9487, 6.3031, 7.3728



6.6814, 6.0576, 24.7481



0.1112, 0.1330, 0.3127

Previews

White Background



This preview shows how the XYZ color 27.7390, 28.9948, 29.7257 looks on a white background.

Color Contrast Check

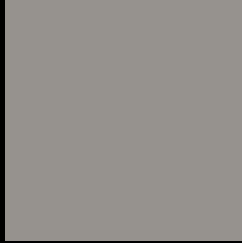
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7390, 28.9948, 29.7257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

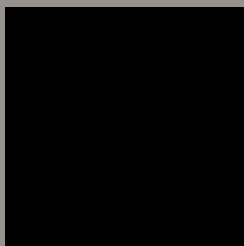
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

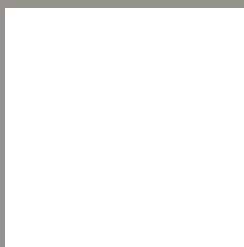
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7390, 28.9948, 29.7257

Background



This preview shows how black text looks on a background with the XYZ color 27.7390, 28.9948, 29.7257.



This preview shows how white text looks on a background with the XYZ color 27.7390, 28.9948,

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

27.7390, 28.9948, 29.7257

Protanopia

27.7390, 28.9948, 29.7257

Deuteranopia

29.5312, 29.0106, 30.0297



Tritanopia

28.8385, 28.9885, 35.0857

Trichromacy



Original Color

27.7390, 28.9948, 29.7257

Protanomaly

27.7390, 28.9948, 29.7257

Deuteranomaly

28.8809, 28.8972, 30.0421

Tritanomaly

28.3929, 29.0321, 32.9615

Monochromacy



Original Color

27.7390, 28.9948, 29.7257

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.7573, 29.2077, 30.9627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7390, 28.9948, 29.7257 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(150, 146, 142)` looks like.

```
.text, #text, p{  
    color:rgb(150, 146, 142)  
}
```

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(150, 146, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 146, 142) }
```

Border

The CSS property to change the border of an element to XYZ 27.7390, 28.9948, 29.7257 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(150, 146, 142) }
```


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

```
.border{ border-color:rgb(150, 146, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 146, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 146, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 146, 142);  
box-shadow:4px 4px 4px 4px rgb(150, 146,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7390, 28.9948, 29.7257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 146, 142) }
```

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

```
.background{ background-color: rgb(150,  
146, 142) }
```

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