

Converting Colors

XYZ(27.8668, 30.2641, 28.4176)

Have a look what the booklet for
XYZ(27.8668, 30.2641, 28.4176)
contains.

XYZ(27.8668, 30.2641, 28.4176)	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(27.8668, 30.2641,
28.4176)**

Conversions

Conversions Part 1

Format	Color
Hex	94978A
RGB	148, 151, 138
RGB Percent	58%, 59%, 54%
CMY	0.4196, 0.4078, 0.4588
CMYK	0.02, 0.00, 0.09, 0.41
HSL	74°, 6%, 57%
HSV	74°, 9%, 59%
XYZ	27.8668, 30.2641, 28.4176
YIQ	148.6210, 2.3850, -4.6790

Conversions

Conversions Part 2

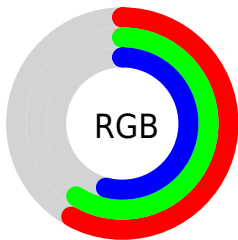
Format	Color
RYB	138, 151, 141
Decimal	9738122
CIELab	61.88, -3.53, 6.47
CIELCh	62, 7.368, 118.642
Yxy	30.2641, 0.3220, 0.3497
Android (android.graphics.Color)	4287928202 (0xFF94978A)
YUV	148.6210, -5.2362, -0.5446
Hunter-Lab	55.0128, -5.8531, 7.8819

Details

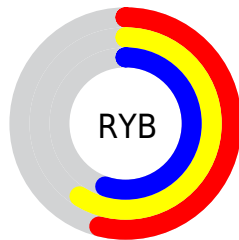
The XYZ color **27.8668, 30.2641, 28.4176** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.6601, 26.0749, 32.9603**, and the grayscale version is **28.4292, 29.9097, 32.5717**.

A 20% lighter version of the original color is **55.5924, 59.9808, 57.9376**, and **11.2484, 12.3603, 11.0254** is the 20% darker color. If you saturate the color by 10%, you get **26.2276, 29.5376, 23.0254**, and if you desaturate by 10%, it is **29.6787, 31.0638, 34.6127**.

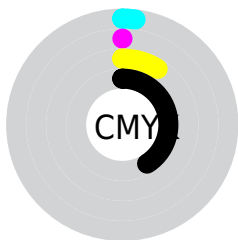
Distribution



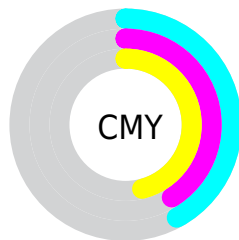
- Red (58%)
- Green (59%)
- Blue (54%)



- Red (54%)
- Yellow (59%)
- Blue (55%)



- Cyan (2%)
- Magenta (0%)
- Yellow (9%)
- Black (41%)



- Cyan (42%)
- Magenta (41%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8668, 30.2641, 28.4176 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 27.8668, 30.2641, 28.4176 by changing the saturation by 10% instead.

■ 27.8668, 30.2641,
28.4176

■ 27.8668, 30.2641,
28.4176

283.9215,
303.1335, 308.4315

■ 18.3652, 20.0391,
18.3989

■ 55.6818, 60.0796,
58.1816

■ 11.3138, 12.4235,
11.0644

■ 74.7260, 80.4389,
78.7639

■ 6.3471, 7.0328,
5.9954

■ 97.6818, 104.9451,
103.7046

■ 3.1000, 3.4826,
2.7736

124.9144,
133.9826, 133.4221

■ 1.2068, 1.3886,
0.9802

156.7894,
167.9358, 168.3350

■ 0.1118, 0.2083,
0.0000

193.6720,

■ 0.0000, 0.0000,

207.1891, 208.8619

0.0000

235.9276,
252.1269, 255.4212

■ 27.8668, 30.2641,
28.4176

■ 27.8668, 30.2641,
28.4176

■ 26.2276, 29.5376,
23.0254

■ 29.6787, 31.0638,
34.6127

■ 24.7523, 28.8779,
18.4012

■ 31.6669, 31.9353,
41.6396

■ 23.4347, 28.2834,
14.5105


■ 33.8378, 32.8821,
49.5284


■ 22.2677, 27.7513,
11.3156


■ 36.1971, 33.9065,
58.3068


■ 21.2430, 27.2782,
8.7752


■ 38.7498, 35.0105,
68.0015


 20.3521, 26.8607,
6.8437


 41.5010, 36.1963,
78.6380


 19.5848, 26.4948,
5.4697

 44.4555, 37.4656,
90.2409

 18.9297, 26.1758,
4.5932

 46.9993, 38.5730,
99.5759

 18.3630, 25.8942,
4.0905

 47.7975, 38.9845,
99.6133

Harmonies

Analogous

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



28.8100, 30.2641, 27.8218



27.8668, 30.2641, 28.4176



27.1779, 30.2641, 30.2096

Triad

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



27.8668, 30.2641, 28.4176



27.7907, 30.2641, 37.8047



30.7004, 30.2641, 33.0812

Complementary

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



27.8668, 30.2641, 28.4176



25.6601, 26.0749, 32.9603

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.



30.4129, 30.2641, 35.8565



27.8668, 30.2641, 28.4176



28.7203, 30.2641, 38.6780

Square

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



27.8668, 30.2641, 28.4176



27.1347, 30.2641, 35.6214



29.6825, 30.2641, 37.9458



30.4595, 30.2641, 30.4203

Rectangle

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



27.8668, 30.2641, 28.4176



26.9479, 30.2641, 31.8957



29.6825, 30.2641, 37.9458



30.6622, 30.2641, 34.0323

Sweetspot

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



27.8676, 30.2654, 28.4183



51.6665, 54.9765, 56.8673



26.8489, 27.4109, 27.9210



11.6862, 12.4703, 12.7304



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.



27.8676, 30.2654, 28.4183



49.4179, 53.9833, 49.2614



26.7562, 29.6924, 28.3662



6.5694, 7.1510, 6.6399



15.5818, 22.0086, 3.4268



0.2635, 0.3448, 0.0527

Inverse Universe

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



25.6601, 26.0749, 32.9603



44.7843, 45.1873, 58.7953



26.7649, 26.6444, 33.0120



6.0114, 6.0917, 7.7880



5.3600, 2.2142, 25.0526



0.1079, 0.0474, 0.3758

Previews

White Background



This preview shows how the XYZ color 27.8668, 30.2641, 28.4176 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 27.8668, 30.2641, 28.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

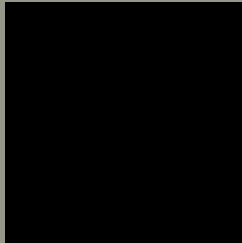
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

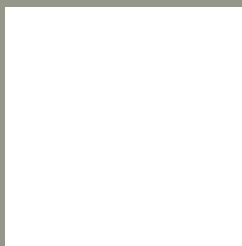
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8668, 30.2641, 28.4176

Background



This preview shows how black text looks on a background with the XYZ color 27.8668, 30.2641, 28.4176.



This preview shows how white text looks on a background with the XYZ color 27.8668, 30.2641,

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

27.8668, 30.2641, 28.4176

Protanopia

28.7804, 30.2696, 27.9926

Deuteranopia

30.7819, 30.1354, 28.6204



Tritanopia

29.6976, 30.2972, 37.5404

Trichromacy



Original Color

27.8668, 30.2641, 28.4176

Protanomaly

28.3706, 30.2942, 28.0190

Deuteranomaly

29.7919, 30.3086, 28.7060

Tritanomaly

28.9926, 30.2459, 34.0157

Monochromacy



Original Color

27.8668, 30.2641, 28.4176

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.4116, 30.2466, 31.1288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8668, 30.2641, 28.4176 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(148, 151, 138)` looks like.

```
.text, #text, p{  
    color:rgb(148, 151, 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(148, 151, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 151, 138) }
```

Border

The CSS property to change the border of an element to XYZ 27.8668, 30.2641, 28.4176 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(148, 151, 138) }
```


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

```
.border{ border-color:rgb(148, 151, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 151, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 151, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 151, 138);  
box-shadow:4px 4px 4px 4px rgb(148, 151,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8668, 30.2641, 28.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 151, 138) }
```

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

```
.background{ background-color: rgb(148,  
151, 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](#).

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