

Converting Colors

XYZ(27.8871, 30.6053, 37.0347)

Have a look what the booklet for
XYZ(27.8871, 30.6053, 37.0347)
contains.

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Color

**XYZ(27.9658, 30.6040,
37.2341)**

Conversions

Conversions Part 1

Format	Color
Hex	89999F
RGB	137, 153, 159
RGB Percent	54%, 60%, 62%
CMY	0.4627, 0.4000, 0.3765
CMYK	0.14, 0.04, 0.00, 0.38
HSL	196°, 10%, 58%
HSV	196°, 14%, 62%
XYZ	27.9658, 30.6040, 37.2341
YIQ	148.9000, -11.4620, -1.5260

Conversions

Conversions Part 2

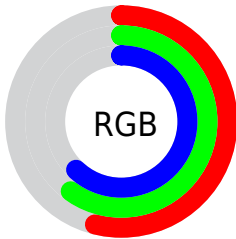
Format	Color
R_{YB}	137, 146, 159
Decimal	9017759
CIE _{Lab}	62.17, -4.39, -5.08
CIE _{LCh}	62, 6.714, 229.161
Yxy	30.6040, 0.2919, 0.3194
Android (android.graphics.Color)	4287207839 (0xFF89999F)
YUV	148.9000, 4.9793, -10.4363
Hunter-Lab	55.3209, -6.5763, -1.1809

Details

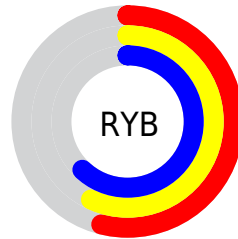
The XYZ color **27.9658, 30.6040, 37.2341** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.6362, 28.8221, 27.7216**, and the grayscale version is **28.5089, 29.9936, 32.6630**.

A 20% lighter version of the original color is **55.9363, 60.5571, 72.3589**, and **11.3886, 12.6117, 16.0214** is the 20% darker color. If you saturate the color by 10%, you get **24.8525, 27.9656, 36.8894**, and if you desaturate by 10%, it is **31.4908, 33.4946, 37.6067**.

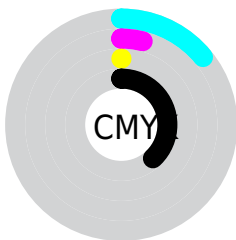
Distribution



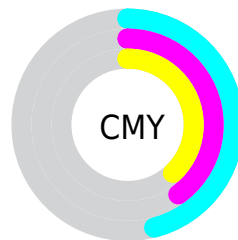
- Red (54%)
- Green (60%)
- Blue (62%)



- Red (54%)
- Yellow (57%)
- Blue (62%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)



- Cyan (46%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9658, 30.6040, 37.2341 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 27.9658, 30.6040, 37.2341 by changing the saturation by 10% instead.

■ 27.9658, 30.6040,
37.2341

■ 27.9658, 30.6040,
37.2341

284.3865,
304.7098, 349.5221

■ 18.4402, 20.2975,
25.0916

■ 55.8389, 60.6161,
72.1230

■ 11.3681, 12.6115,
15.9257

■ 74.9170, 81.0904,
95.7065

■ 6.3841, 7.1616,
9.3178

■ 97.9101, 105.7228,
123.9408

■ 3.1229, 3.5633,
4.8494

125.1835,
134.8977, 157.2443

■ 1.2191, 1.4324,
2.1020

157.1024,
168.9995, 196.0357

■ 0.1213, 0.2404,
0.6169

194.0323,

■ 0.0000, 0.0000,

208.4125, 240.7334

0.0000

236.3386,
253.5211, 291.7560

■ 27.9658, 30.6040,
37.2341

■ 27.9658, 30.6040,
37.2341

■ 24.8525, 27.9656,
36.8894

■ 31.4908, 33.4946,
37.6067

■ 22.1313, 25.5663,
36.5697

■ 35.4407, 36.6421,
38.0061

■ 19.7847, 23.3976,
36.2748

■ 39.8316, 40.0560,
38.4336

■ 17.7931, 21.4490,
36.0037

■ 44.6779, 43.7440,
38.8900

■ 16.1346, 19.7088,
35.7552

■ 49.9931, 47.7137,
39.3761

■ 14.7852, 18.1641,
35.5281

■ 55.7904, 51.9720,
39.8925

■ 13.7171, 16.8001,
35.3212

■ 62.0823, 56.5259,
40.4399

■ 12.8973, 15.5995,
35.1326

■ 65.4138, 59.5946,
40.8566

■ 12.4633, 14.9137,
35.0231

■ 66.3518, 61.4706,
41.1693

Harmonies

Analogous

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



27.4763, 30.6040, 34.9841



27.9658, 30.6040, 37.2341



28.7624, 30.6040, 38.4571

Triad

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



27.9658, 30.6040, 37.2341



30.8297, 30.6040, 34.2678



28.5211, 30.6040, 28.8362

Complementary

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



27.9658, 30.6040, 37.2341



28.6362, 28.8221, 27.7216

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.



29.4164, 30.6040, 28.6667



27.9658, 30.6040, 37.2341



30.7619, 30.6040, 31.7145

Square

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



27.9658, 30.6040, 37.2341



30.4237, 30.6040, 36.6865



30.2402, 30.6040, 29.6950



27.7923, 30.6040, 30.1708

Rectangle

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



27.9658, 30.6040, 37.2341



29.3659, 30.6040, 38.4850



30.2402, 30.6040, 29.6950



28.8122, 30.6040, 28.6438

Sweetspot

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



27.9667, 30.6053, 37.2348



56.2359, 59.8552, 67.3327



27.6631, 32.0944, 30.6712



12.5703, 13.4069, 15.1689



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.



27.9667, 30.6053, 37.2348



48.0583, 53.1119, 66.4621



26.2680, 27.2080, 36.6686



6.6688, 7.2034, 8.4456



9.8797, 11.8509, 27.6740



0.2095, 0.2777, 0.5058

Inverse Universe

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



28.9943, 27.5629, 33.9304



50.3274, 46.5218, 59.1363



30.3476, 32.2449, 28.2920



6.8269, 6.7237, 7.9397



13.7850, 6.8186, 13.6508



0.2631, 0.1286, 0.3315

Previews

White Background



This preview shows how the XYZ color 27.9658, 30.6040, 37.2341 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 27.9658, 30.6040, 37.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

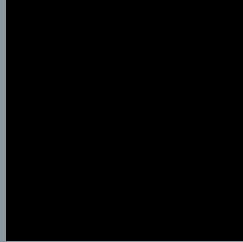
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

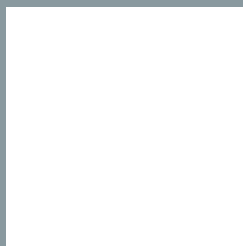
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9658, 30.6040, 37.2341

Background



This preview shows how black text looks on a background with the XYZ color 27.9658, 30.6040, 37.2341.



This preview shows how white text looks on a background with the XYZ color 27.9658, 30.6040,

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

27.9658, 30.6040, 37.2341

Protanopia

29.5957, 30.5085, 36.2272

Deuteranopia

31.1213, 30.5694, 37.5179



Tritanopia

28.4103, 30.5401, 39.5194

Trichromacy



Original Color

27.9658, 30.6040, 37.2341

Protanomaly

28.9320, 30.3923, 36.6892

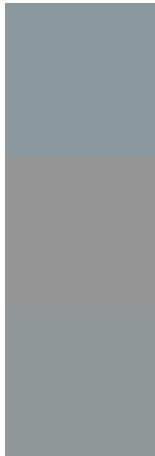
Deuteranomaly

30.0415, 30.7084, 37.6017

Tritanomaly

28.2311, 30.4684, 38.5755

Monochromacy



Original Color

27.9658, 30.6040, 37.2341

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3332, 30.1323, 34.4598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9658, 30.6040, 37.2341 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(137, 153, 159)` looks like.

```
.text, #text, p{  
    color:rgb(137, 153, 159)  
}
```

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(137, 153, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 153, 159) }
```

Border

The CSS property to change the border of an element to XYZ 27.9658, 30.6040, 37.2341 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(137, 153, 159) }
```


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

```
.border{ border-color:rgb(137, 153, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 153, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 153, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 153, 159);  
box-shadow:4px 4px 4px 4px rgb(137, 153,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9658, 30.6040, 37.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 153, 159) }
```

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

```
.background{ background-color: rgb(137,  
153, 159) }
```

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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