

Converting Colors

XYZ(29.6811, 30.4974, 37.1215)

Have a look what the booklet for
XYZ(29.6811, 30.4974, 37.1215)
contains.

XYZ(29.7680, 30.5774, 37.1340)	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(29.7680, 30.5774,
37.1340)**

Conversions

Conversions Part 1

Format	Color
Hex	97959F
RGB	151, 149, 159
RGB Percent	59%, 58%, 62%
CMY	0.4078, 0.4157, 0.3765
CMYK	0.05, 0.06, 0.00, 0.38
HSL	252°, 5%, 60%
HSV	252°, 6%, 62%
XYZ	29.7680, 30.5774, 37.1340
YIQ	150.7380, -2.0180, 3.5340

Conversions

Conversions Part 2

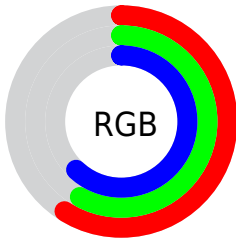
Format	Color
R _Y B	151, 149, 159
Decimal	9934239
CIE Lab	62.15, 2.70, -4.99
CIE LCh	62, 5.678, 298.422
Yxy	30.5774, 0.3054, 0.3137
Android (android.graphics.Color)	4288124319 (0xFF97959F)
YUV	150.7380, 4.0732, 0.2298
Hunter-Lab	55.2968, -0.6774, -1.1078

Details

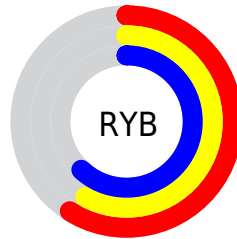
The XYZ color **29.7680, 30.5774, 37.1340** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7286, 34.1351, 33.3517**, and the grayscale version is **29.2880, 30.8132, 33.5556**.

A 20% lighter version of the original color is **58.6704, 60.5460, 72.2126**, and **12.3300, 12.5274, 15.9555** is the 20% darker color. If you saturate the color by 10%, you get **25.1873, 24.7337, 36.2480**, and if you desaturate by 10%, it is **34.9488, 37.2419, 38.1478**.

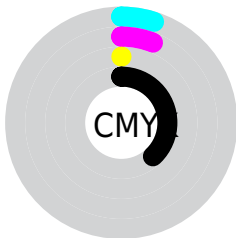
Distribution



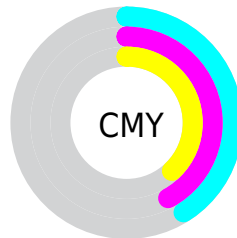
- Red (59%)
- Green (58%)
- Blue (62%)



- Red (59%)
- Yellow (58%)
- Blue (62%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (38%)



- Cyan (41%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7680, 30.5774, 37.1340 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 29.7680, 30.5774, 37.1340 by changing the saturation by 10% instead.

■ 29.7680, 30.5774,
37.1340

■ 29.7680, 30.5774,
37.1340

292.7508,
304.5867, 349.0764

■ 19.8098, 20.2773,
25.0147

■ 58.6842, 60.5741,
71.9675

■ 12.3643, 12.5967,
15.8689

■ 78.3729, 81.0395,
95.5187

■ 7.0662, 7.1515,
9.2781

102.0359,
105.6620, 123.7176

■ 3.5503, 3.5570,
4.8237

130.0383,
134.8262, 156.9827

■ 1.4510, 1.4290,
2.0873

162.7457,
168.9163, 195.7326

■ 0.2921, 0.2379,
0.6082

200.5233,

■ 0.0000, 0.0000,

208.3169, 240.3858

0.0000

243.7366,
253.4122, 291.3609

■ 29.7680, 30.5774,
37.1340

■ 29.7680, 30.5774,
37.1340

■ 25.1873, 24.7337,
36.2480

■ 34.9488, 37.2419,
38.1478

■ 21.1821, 19.6752,
35.4827

■ 40.7477, 44.7535,
39.2920

■ 17.7300, 15.3693,
34.8335

■ 47.1853, 53.1418,
40.5718

■ 14.8063, 11.7796,
34.2947

■ 54.2806, 62.4341,
41.9915

■ 12.3842, 8.8667,
33.8601

■ 62.0514, 72.6565,
43.5550

■ 10.4345, 6.5872,
33.5229

■ 70.5152, 83.8337,
45.2664

■ 8.9249, 4.8929,
33.2754

■ 77.9732, 92.5588,
46.5574

■ 7.8186, 3.7280,
33.1089

■ 82.4464, 94.8648,
46.7667

■ 7.0673, 3.0155,
33.0109

■ 83.2581, 95.2832,
46.8047

Harmonies

Analogous

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



29.0224, 30.5774, 37.6805



29.7680, 30.5774, 37.1340



30.3330, 30.5774, 35.5466

Triad

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



29.7680, 30.5774, 37.1340



29.8393, 30.5774, 29.8351



27.6185, 30.5774, 33.1778

Complementary

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



29.7680, 30.5774, 37.1340



31.7286, 34.1351, 33.3517

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.



27.8288, 30.5774, 31.1379



29.7680, 30.5774, 37.1340



29.1034, 30.5774, 29.2611

Square

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



29.7680, 30.5774, 37.1340



30.3746, 30.5774, 31.3303



28.3690, 30.5774, 29.7275



27.7895, 30.5774, 35.3373

Rectangle

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



29.7680, 30.5774, 37.1340



30.5265, 30.5774, 34.1455



28.3690, 30.5774, 29.7275



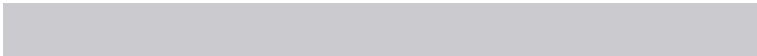
27.6468, 30.5774, 32.4560

Sweetspot

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



29.7689, 30.5787, 37.1347



57.1218, 59.6519, 67.2468



30.7386, 33.0640, 37.5633



12.9027, 13.4802, 15.1655



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.



29.7689, 30.5787, 37.1347



51.7027, 52.7018, 66.1909



30.6845, 31.0507, 37.1775



6.4024, 6.4959, 8.3231



5.4365, 2.2317, 26.0514



0.1267, 0.0551, 0.4672

Inverse Universe

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



31.1324, 31.3015, 36.3006



54.8347, 54.3625, 64.2577



30.8040, 33.6584, 33.3084



6.8473, 6.7318, 8.0470



14.3452, 7.0427, 16.6009



0.2698, 0.1312, 0.3668

Previews

White Background



This preview shows how the XYZ color 29.7680, 30.5774, 37.1340 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 29.7680, 30.5774, 37.1340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

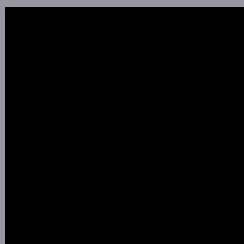
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7680, 30.5774, 37.1340

Background



This preview shows how black text looks on a background with the XYZ color 29.7680, 30.5774, 37.1340.



This preview shows how white text looks on a background with the XYZ color 29.7680, 30.5774,

37.1340.

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

29.7680, 30.5774, 37.1340

Protanopia

29.5831, 30.4821, 37.1253

Deuteranopia

31.1213, 30.5694, 37.5179



Tritanopia

29.9430, 30.6474, 38.0556

Trichromacy



Original Color

29.7680, 30.5774, 37.1340

Protanomaly

29.5831, 30.4821, 37.1253

Deuteranomaly

30.6835, 30.5736, 37.5418

Tritanomaly

29.8551, 30.6123, 37.5929

Monochromacy



Original Color

29.7680, 30.5774, 37.1340

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5016, 30.7251, 34.9475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7680, 30.5774, 37.1340 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(151, 149, 159)` looks like.

```
.text, #text, p{  
    color:rgb(151, 149, 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(151, 149, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 149, 159) }
```

Border

The CSS property to change the border of an element to XYZ 29.7680, 30.5774, 37.1340 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(151, 149, 159) }
```


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

```
.border{ border-color:rgb(151, 149, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 149, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 149, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 149, 159);  
box-shadow:4px 4px 4px 4px rgb(151, 149,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7680, 30.5774, 37.1340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 149, 159) }
```

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

```
.background{ background-color: rgb(151,  
149, 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](#).

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