

Converting Colors

XYZ(29.8217, 30.9573, 35.7006)

Have a look what the booklet for
XYZ(29.8217, 30.9573, 35.7006)
contains.

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Color

**XYZ(29.8560, 30.8884,
35.8410)**

Conversions

Conversions Part 1

Format	Color
Hex	98969C
RGB	152, 150, 156
RGB Percent	60%, 59%, 61%
CMY	0.4039, 0.4118, 0.3882
CMYK	0.03, 0.04, 0.00, 0.39
HSL	260°, 3%, 60%
HSV	260°, 4%, 61%
XYZ	29.8560, 30.8884, 35.8410
YIQ	151.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

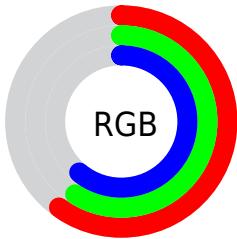
Format	Color
RYB	152, 150, 156
Decimal	10000028
CIELab	62.41, 1.90, -2.90
CIElCh	62, 3.464, 303.237
Yxy	30.8884, 0.3091, 0.3198
Android (android.graphics.Color)	4288190108 (0xFF98969C)
YUV	151.2820, 2.3260, 0.6297
Hunter-Lab	55.5773, -1.3706, 0.6689

Details

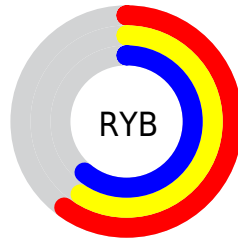
The XYZ color **29.8560, 30.8884, 35.8410** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7211, 32.8498, 33.5772**, and the grayscale version is **29.5275, 31.0652, 33.8300**.

A 20% lighter version of the original color is **58.6793, 60.9607, 69.6466**, and **12.3785, 12.7103, 15.1655** is the 20% darker color. If you saturate the color by 10%, you get **25.6681, 25.2775, 34.9792**, and if you desaturate by 10%, it is **34.5480, 37.2529, 36.8226**.

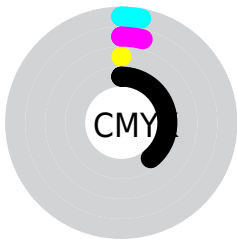
Distribution



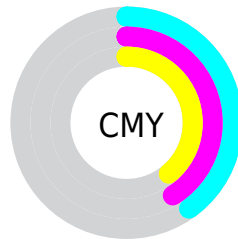
- Red (60%)
- Green (59%)
- Blue (61%)



- Red (60%)
- Yellow (59%)
- Blue (61%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (39%)



- Cyan (40%)
- Magenta (41%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8560, 30.8884, 35.8410 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 29.8560, 30.8884, 35.8410 by changing the saturation by 10% instead.

■ 29.8560, 30.8884,
35.8410

■ 29.8560, 30.8884,
35.8410

293.1545,
306.0239, 343.2814

■ 19.8768, 20.5139,
24.0227

■ 58.8226, 61.0643,
69.9529

■ 12.4133, 12.7691,
15.1381

■ 78.5407, 81.6345,
93.0835

■ 7.1000, 7.2698,
8.7687

102.2358,
106.3721, 120.8220

■ 3.5716, 3.6314,
4.4959

130.2734,
135.6614, 153.5869

■ 1.4628, 1.4696,
1.9011

163.0187,
169.8868, 191.7968

■ 0.3003, 0.2672,
0.4934

200.8371,

■ 0.0000, 0.0000,

209.4328, 235.8701

0.0000

244.0939,
254.6836, 286.2255

■ 29.8560, 30.8884,
35.8410

■ 29.8560, 30.8884,
35.8410

■ 25.6681, 25.2775,
34.9792

■ 34.5480, 37.2529,
36.8226

■ 21.9642, 20.3879,
34.2306

■ 39.7579, 44.3937,
37.9264

■ 18.7268, 16.1910,
33.5911

■ 45.5022, 52.3375,
39.1569

■ 15.9363, 12.6544,
33.0556

■ 51.7960, 61.1087,
40.5182

■ 13.5716, 9.7436,
32.6184

■ 58.6538, 70.7302,
42.0139

■ 11.6097, 7.4203,
32.2733

■ 66.0894, 81.2246,
43.6476

■ 10.0255, 5.6422,
32.0136

■ 72.7601, 89.9011,
44.9708

■ 8.7904, 4.3609,
31.8314

■ 76.1003, 91.6230,
45.1271

■ 7.8710, 3.5192,
31.7174

■ 79.6414, 93.4485,
45.2928

Harmonies

Analogous

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



29.4095, 30.8884, 36.2797



29.8560, 30.8884, 35.8410



30.1718, 30.8884, 34.8097

Triad

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



29.8560, 30.8884, 35.8410



29.7668, 30.8884, 31.3765



28.4665, 30.8884, 33.7784

Complementary

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



29.8560, 30.8884, 35.8410



30.7211, 32.8498, 33.5772

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.



28.5599, 30.8884, 32.4816



29.8560, 30.8884, 35.8410



29.3076, 30.8884, 31.1168

Square

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



29.8560, 30.8884, 35.8410



30.1199, 30.8884, 32.2352



28.8666, 30.8884, 31.5161



28.6100, 30.8884, 35.0690

Rectangle

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



29.8560, 30.8884, 35.8410



30.2640, 30.8884, 33.9376



28.8666, 30.8884, 31.5161



28.4713, 30.8884, 33.3287

Sweetspot

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



29.8569, 30.8897, 35.8417



56.5407, 59.2279, 65.5788



30.1516, 32.0296, 36.0462



12.4527, 13.0480, 14.4326



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.8569, 30.8897, 35.8417



53.2240, 54.7512, 64.8896



30.4065, 31.1730, 35.8674



6.8539, 7.0358, 8.4035



6.1410, 2.5948, 26.0844



0.1522, 0.0682, 0.4684

Inverse Universe

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



30.4505, 31.2151, 34.9937



54.6451, 55.5304, 62.8521



30.1756, 32.5686, 33.5517



7.0542, 7.1456, 8.1160



13.3696, 6.6524, 11.4634



0.2578, 0.1265, 0.3038

Previews

White Background



This preview shows how the XYZ color 29.8560, 30.8884, 35.8410 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 29.8560, 30.8884, 35.8410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

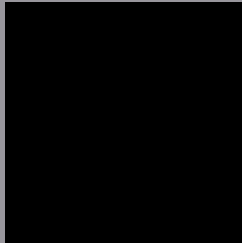
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8560, 30.8884, 35.8410

Background



This preview shows how black text looks on a background with the XYZ color 29.8560, 30.8884, 35.8410.



This preview shows how white text looks on a background with the XYZ color 29.8560, 30.8884,

35.8410.

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

29.8560, 30.8884, 35.8410

Protanopia

29.8560, 30.8884, 35.8410

Deuteranopia

31.4689, 30.7786, 36.1806



Tritanopia

30.3173, 30.8404, 38.0731

Trichromacy



Original Color

29.8560, 30.8884, 35.8410

Protanomaly

29.8560, 30.8884, 35.8410

Deuteranomaly

30.8176, 30.6727, 36.1944

Tritanomaly

30.1423, 30.7704, 37.1515

Monochromacy



Original Color

29.8560, 30.8884, 35.8410

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5789, 31.0124, 34.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8560, 30.8884, 35.8410 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(152, 150, 156)` looks like.

```
.text, #text, p{  
    color:rgb(152, 150, 156)  
}
```

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(152, 150, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 150, 156) }
```

Border

The CSS property to change the border of an element to XYZ 29.8560, 30.8884, 35.8410 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(152, 150, 156) }
```


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

```
.border{ border-color:rgb(152, 150, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 150, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 150, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 150, 156);  
box-shadow:4px 4px 4px 4px rgb(152, 150,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8560, 30.8884, 35.8410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 150, 156) }
```

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

```
.background{ background-color: rgb(152,  
150, 156) }
```

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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