

Converting Colors

XYZ(28.8112, 31.3433, 34.6815)

Have a look what the booklet for
XYZ(28.8112, 31.3433, 34.6815)
contains.

XYZ(28.8070, 31.3404, 34.6680)	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(28.8070, 31.3404,
34.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	909A99
RGB	144, 154, 153
RGB Percent	56%, 60%, 60%
CMY	0.4353, 0.3961, 0.4000
CMYK	0.06, 0.00, 0.01, 0.40
HSL	174°, 5%, 58%
HSV	174°, 6%, 60%
XYZ	28.8070, 31.3404, 34.6680
YIQ	150.8960, -5.6390, -2.4310

Conversions

Conversions Part 2

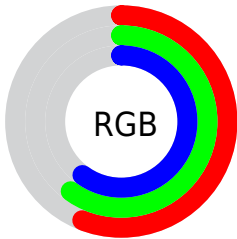
Format	Color
RYB	144, 149, 154
Decimal	9476761
CIELab	62.79, -3.77, -0.72
CIELCh	63, 3.838, 190.776
Yxy	31.3404, 0.3038, 0.3305
Android (android.graphics.Color)	4287666841 (0xFF909A99)
YUV	150.8960, 1.0373, -6.0478
Hunter-Lab	55.9825, -6.1183, 2.4715

Details

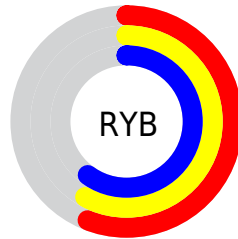
The XYZ color **28.8070, 31.3404, 34.6680** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.4117, 28.8618, 30.8630**, and the grayscale version is **29.3691, 30.8986, 33.6486**.

A 20% lighter version of the original color is **57.1071, 61.6225, 67.9160**, and **11.8646, 13.0395, 14.4619** is the 20% darker color. If you saturate the color by 10%, you get **26.1721, 29.9976, 33.8841**, and if you desaturate by 10%, it is **31.8123, 32.8757, 35.4791**.

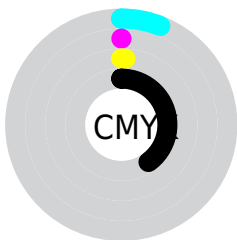
Distribution



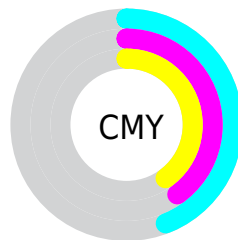
- Red (56%)
- Green (60%)
- Blue (60%)



- Red (56%)
- Yellow (58%)
- Blue (60%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)



- Cyan (44%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8070, 31.3404, 34.6680 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 28.8070, 31.3404, 34.6680 by changing the saturation by 10% instead.

■ 28.8070, 31.3404,
34.6680

■ 28.8070, 31.3404,
34.6680

288.3139,
308.1035, 337.9601

■ 19.0784, 20.8582,
23.1257

■ 57.1700, 61.7756,
68.1169

■ 11.8313, 13.0204,
14.4802

■ 76.5351, 82.4974,
90.8605

■ 6.7003, 7.4426,
8.3129

99.8431, 107.4011,
118.1751

■ 3.3200, 3.7404,
4.2052

127.4594,
136.8713, 150.4791

■ 1.3252, 1.5294,
1.7386

159.7492,
171.2922, 188.1910

■ 0.2019, 0.3093,
0.3870

197.0780,

■ 0.0000, 0.0000,

211.0483, 231.7295

0.0000

239.8111,
256.5239, 281.5130

■ 28.8070, 31.3404,
34.6680

■ 28.8070, 31.3404,
34.6680

■ 26.1721, 29.9976,
33.8841

■ 31.8123, 32.8757,
35.4791

■ 23.8902, 28.8356,
33.1247

■ 35.1992, 34.6067,
36.3161

■ 21.9464, 27.8478,
32.3896

■ 38.9819, 36.5416,
37.1803

■ 20.3237, 27.0254,
31.6781

■ 43.1728, 38.6867,
38.0723

■ 19.0037, 26.3587,
30.9892

■ 47.7841, 41.0483,
38.9927

■ 17.9660, 25.8375,
30.3220

■ 52.8273, 43.6323,
39.9421

■ 17.1880, 25.4499,
29.6753

■ 58.3133, 46.4445,
40.9210

■ 16.6432, 25.1824,
29.0479

■ 59.6195, 47.1017,
41.7131

■ 16.2920, 25.0145,
28.4380

■ 59.7612, 47.1584,
42.4596

Harmonies

Analogous

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



28.8447, 31.3404, 33.1809



28.8070, 31.3404, 34.6680



29.0299, 31.3404, 36.0484

Triad

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



28.8070, 31.3404, 34.6680



30.4526, 31.3404, 36.3618



30.1219, 31.3404, 31.4656

Complementary

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



28.8070, 31.3404, 34.6680



28.4117, 28.8618, 30.8630

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.



30.5594, 31.3404, 32.2701



28.8070, 31.3404, 34.6680



30.7519, 31.3404, 35.0856

Square

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



28.8070, 31.3404, 34.6680



29.9773, 31.3404, 37.0452



30.7912, 31.3404, 33.5864



29.5997, 31.3404, 31.3612

Rectangle

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



28.8070, 31.3404, 34.6680



29.2978, 31.3404, 36.7112



30.7912, 31.3404, 33.5864



30.2839, 31.3404, 31.6620

Sweetspot

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



28.8079, 31.3417, 34.6687



54.6761, 58.1299, 63.6253



28.2971, 31.1611, 30.9094



12.3906, 13.1650, 14.4053



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.



28.8079, 31.3417, 34.6687



51.4860, 56.5017, 62.7348



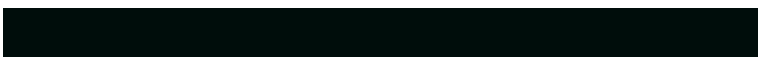
28.2683, 30.1294, 34.8990



6.3579, 7.0159, 7.8081



13.1931, 20.3407, 23.0352



0.2039, 0.3068, 0.3796

Inverse Universe

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



28.4117, 28.8618, 30.8630



50.5917, 50.9035, 54.1441



28.9254, 30.0123, 30.6546



6.2327, 6.2322, 6.6056



10.9370, 5.6291, 0.9275



0.1693, 0.0865, 0.0445

Previews

White Background



This preview shows how the XYZ color 28.8070, 31.3404, 34.6680 looks on a white background.

Color Contrast Check

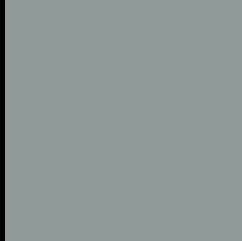
Large Text (above 18pt) WCAG AA × Fail

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 28.8070, 31.3404, 34.6680 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

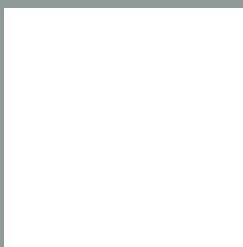
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8070, 31.3404, 34.6680

Background



This preview shows how black text looks on a background with the XYZ color 28.8070, 31.3404, 34.6680.



This preview shows how white text looks on a background with the XYZ color 28.8070, 31.3404,

34.6680.

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

28.8070, 31.3404, 34.6680

Protanopia

29.9789, 31.2376, 33.7276

Deuteranopia

31.7835, 31.1999, 34.9189



Tritanopia

29.7831, 31.2478, 39.5836

Trichromacy



Original Color

28.8070, 31.3404, 34.6680

Protanomaly

29.4734, 31.2075, 34.1760

Deuteranomaly

30.6437, 31.3139, 35.0009

Tritanomaly

29.4135, 31.3403, 37.7567

Monochromacy



Original Color

28.8070, 31.3404, 34.6680

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1085, 31.0194, 34.1589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8070, 31.3404, 34.6680 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(144, 154, 153) looks like.

```
.text, #text, p{  
    color:rgb(144, 154, 153)  
}
```

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(144, 154, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 154, 153) }
```

Border

The CSS property to change the border of an element to XYZ 28.8070, 31.3404, 34.6680 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(144, 154, 153) }
```


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

```
.border{ border-color:rgb(144, 154, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 154, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 154, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 154, 153);  
box-shadow:4px 4px 4px 4px rgb(144, 154,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8070, 31.3404, 34.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 154, 153) }
```

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

```
.background{ background-color: rgb(144,  
154, 153) }
```

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