

Converting Colors

XYZ(28.7951, 30.5603, 34.5180)

Have a look what the booklet for
XYZ(28.7951, 30.5603, 34.5180)
contains.

XYZ(28.8490, 30.6362, 34.5299)	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(28.8490, 30.6362,
34.5299)**

Conversions

Conversions Part 1

Format	Color
Hex	939799
RGB	147, 151, 153
RGB Percent	58%, 59%, 60%
CMY	0.4235, 0.4078, 0.4000
CMYK	0.04, 0.01, 0.00, 0.40
HSL	200°, 3%, 59%
HSV	200°, 4%, 60%
XYZ	28.8490, 30.6362, 34.5299
YIQ	150.0320, -3.0260, -0.2260

Conversions

Conversions Part 2

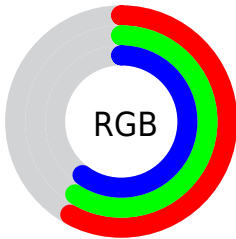
Format	Color
RYB	147, 149, 153
Decimal	9672601
CIELab	62.20, -1.04, -1.56
CIELCh	62, 1.878, 236.224
Yxy	30.6362, 0.3069, 0.3259
Android (android.graphics.Color)	4287862681 (0xFF939799)
YUV	150.0320, 1.4632, -2.6591
Hunter-Lab	55.3500, -3.8264, 1.7571

Details

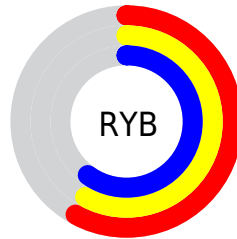
The XYZ color **28.8490, 30.6362, 34.5299** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1508, 30.3734, 31.9304**, and the grayscale version is **28.9986, 30.5088, 33.2241**.

A 20% lighter version of the original color is **57.1812, 60.5851, 67.7118**, and **11.7793, 12.5604, 14.3739** is the 20% darker color. If you saturate the color by 10%, you get **25.4840, 27.7116, 34.1432**, and if you desaturate by 10%, it is **32.6162, 33.8224, 34.9468**.

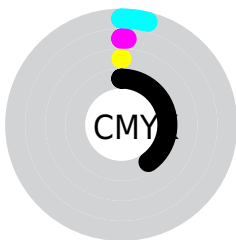
Distribution



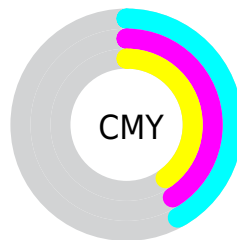
- Red (58%)
- Green (59%)
- Blue (60%)



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



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (40%)



- Cyan (42%)
- Magenta (41%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8490, 30.6362, 34.5299 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 28.8490, 30.6362, 34.5299 by changing the saturation by 10% instead.

■ 28.8490, 30.6362,
34.5299

■ 28.8490, 30.6362,
34.5299

288.5089,
304.8588, 337.3294

■ 19.1103, 20.3220,
23.0203

■ 57.2363, 60.6668,
67.9002

■ 11.8545, 12.6293,
14.4031

■ 76.6157, 81.1521,
90.5979

■ 6.7162, 7.1738,
8.2596

99.9393, 105.7964,
117.8622

■ 3.3300, 3.5710,
4.1714

127.5725,
134.9843, 150.1114

■ 1.3306, 1.4366,
1.7198

159.8808,
169.1000, 187.7642

■ 0.2059, 0.2435,
0.3743

197.2293,

■ 0.0000, 0.0000,

208.5281, 231.2391

0.0000

239.9836,
253.6529, 280.9547

■ 28.8490, 30.6362,
34.5299

■ 28.8490, 30.6362,
34.5299

■ 25.4840, 27.7116,
34.1432

■ 32.6162, 33.8224,
34.9468

■ 22.5037, 25.0363,
33.7839

■ 36.7967, 37.2741,
35.3927

■ 19.8933, 22.6031,
33.4518

■ 41.4049, 41.0001,
35.8690

■ 17.6360, 20.4025,
33.1460

■ 46.4532, 45.0075,
36.3765

■ 15.7137, 18.4244,
32.8656

■ 51.9538, 49.3031,
36.9157

■ 14.1064, 16.6578,
32.6093

■ 57.9182, 53.8936,
37.4874

■ 12.7919, 15.0907,
32.3761

■ 64.3578, 58.7852,
38.0921

■ 11.7447, 13.7091,
32.1646

■ 65.7847, 61.1496,
38.4733

■ 10.9346, 12.4966,
31.9733

■ 66.9206, 63.4214,
38.8519

Harmonies

Analogous

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



28.6843, 30.6362, 33.9775



28.8490, 30.6362, 34.5299



29.0867, 30.6362, 34.7681

Triad

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



28.8490, 30.6362, 34.5299



29.6072, 30.6362, 33.4495



28.9042, 30.6362, 32.1226

Complementary

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



28.8490, 30.6362, 34.5299



29.1508, 30.3734, 31.9304

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.



29.1509, 30.6362, 31.9858



28.8490, 30.6362, 34.5299



29.5577, 30.6362, 32.7454

Square

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



28.8490, 30.6362, 34.5299



29.5253, 30.6362, 34.1387



29.3903, 30.6362, 32.2122



28.7160, 30.6362, 32.5885

Rectangle

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



28.8490, 30.6362, 34.5299



29.2550, 30.6362, 34.7142



29.3903, 30.6362, 32.2122



28.9830, 30.6362, 32.0368

Sweetspot

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



28.8499, 30.6375, 34.5306



53.5484, 56.4742, 62.0503



28.8411, 31.1527, 32.8854



11.8331, 12.4778, 13.7023



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.



28.8499, 30.6375, 34.5306



50.9197, 54.2268, 61.7550



28.3884, 29.7146, 34.3768



6.5019, 6.9314, 7.9242



8.7159, 9.8285, 26.3454



0.1634, 0.2131, 0.4049

Inverse Universe

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



29.1572, 29.8746, 33.5094



51.6317, 52.4711, 59.3865



29.6158, 31.3034, 32.0854



6.6010, 6.6878, 7.5946



12.8582, 6.3975, 11.0440



0.2089, 0.1023, 0.2530

Previews

White Background



This preview shows how the XYZ color 28.8490, 30.6362, 34.5299 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 28.8490, 30.6362, 34.5299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

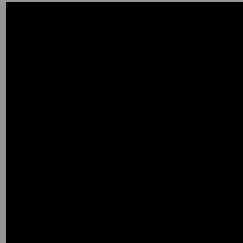
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

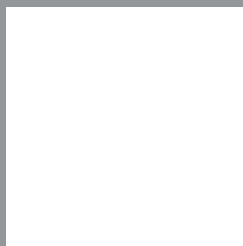
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8490, 30.6362, 34.5299

Background



This preview shows how black text looks on a background with the XYZ color 28.8490, 30.6362, 34.5299.



This preview shows how white text looks on a background with the XYZ color 28.8490, 30.6362,

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

28.8490, 30.6362, 34.5299

Protanopia

29.3638, 30.4373, 34.0331

Deuteranopia

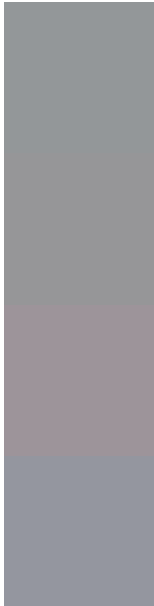
31.2159, 30.6774, 34.8479



Tritanopia

29.6407, 30.7172, 38.5492

Trichromacy



Original Color

28.8490, 30.6362, 34.5299

Protanomaly

29.1515, 30.5637, 34.0687

Deuteranomaly

30.3273, 30.6810, 34.8955

Tritanomaly

29.3771, 30.6118, 37.1612

Monochromacy



Original Color

28.8490, 30.6362, 34.5299

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.8867, 30.4366, 33.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8490, 30.6362, 34.5299 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(147, 151, 153)` looks like.

```
.text, #text, p{  
    color:rgb(147, 151, 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(147, 151, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 151, 153) }
```

Border

The CSS property to change the border of an element to XYZ 28.8490, 30.6362, 34.5299 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(147, 151, 153) }
```


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

```
.border{ border-color:rgb(147, 151, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 151, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 151, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 151, 153);  
box-shadow:4px 4px 4px 4px rgb(147, 151,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8490, 30.6362, 34.5299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 151, 153) }
```

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

```
.background{ background-color: rgb(147,  
151, 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