

# Converting Colors

XYZ(29.4704, 32.6420, 36.6525)

Have a look what the booklet for  
XYZ(29.4704, 32.6420, 36.6525)  
contains.

<b>XYZ(29.4680, 32.6388, 36.6451)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(29.4680, 32.6388,  
36.6451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8E9E9D
RGB	142, 158, 157
RGB Percent	56%, 62%, 62%
CMY	0.4431, 0.3804, 0.3843
CMYK	0.10, 0.00, 0.01, 0.38
HSL	176°, 8%, 59%
HSV	176°, 10%, 62%
XYZ	29.4680, 32.6388, 36.6451
YIQ	153.1020, -9.2150, -3.7030

# Conversions

## Conversions Part 2

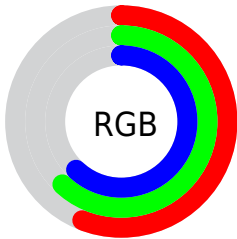
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 150, 158
Decimal	9346717
CIELab	63.87, -5.85, -1.42
CIELCh	64, 6.017, 193.604
Yxy	32.6388, 0.2984, 0.3305
Android (android.graphics.Color)	4287536797 (0xFF8E9E9D)
YUV	153.1020, 1.9217, -9.7365
Hunter-Lab	57.1304, -7.9074, 1.9609

# Details

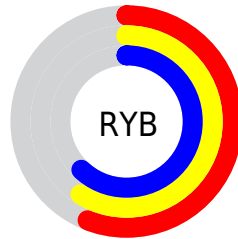
The XYZ color **29.4680, 32.6388, 36.6451** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.7327, 28.5992, 29.9939**, and the grayscale version is **30.3182, 31.8971, 34.7359**.

A 20% lighter version of the original color is **58.4429, 64.0777, 71.5753**, and **12.2728, 13.8313, 15.6585** is the 20% darker color. If you saturate the color by 10%, you get **26.8631, 31.3065, 36.0845**, and if you desaturate by 10%, it is **32.4598, 34.1722, 37.2287**.

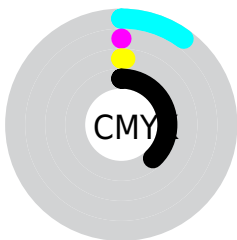
# Distribution



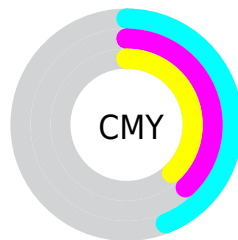
- Red (56%)
- Green (62%)
- Blue (62%)



- Red (56%)
- Yellow (59%)
- Blue (62%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (44%)
- Magenta (38%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4680, 32.6388, 36.6451 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 29.4680, 32.6388, 36.6451 by changing the saturation by 10% instead.



■ 29.4680, 32.6388,  
36.6451

■ 29.4680, 32.6388,  
36.6451

291.3713,  
314.0190, 346.8937

■ 19.5812, 21.8499,  
24.6392

■ 58.2123, 63.8112,  
71.2068

■ 12.1975, 13.7466,  
15.5919

■ 77.8004, 84.9635,  
94.5997

■ 6.9515, 7.9447,  
9.0846

■ 101.3531,  
110.3390, 122.6254

■ 3.4778, 4.0596,  
4.6988

129.2356,  
140.3221, 155.7023

■ 1.4112, 1.7069,  
2.0160

161.8133,  
175.2973, 194.2491

■ 0.2642, 0.4281,  
0.5651

199.4516,

■ 0.0000, 0.0000,

215.6489, 238.6842

0.0000

242.5158,  
261.7614, 289.4263

■ 29.4680, 32.6388,  
36.6451

■ 29.4680, 32.6388,  
36.6451

■ 26.8631, 31.3065,  
36.0845

■ 32.4598, 34.1722,  
37.2287

■ 24.6261, 30.1630,  
35.5441

■ 35.8508, 35.9105,  
37.8339

■ 22.7408, 29.2006,  
35.0237

■ 39.6563, 37.8623,  
38.4620

■ 21.1886, 28.4099,  
34.5224

■ 43.8898, 40.0347,  
39.1138

■ 19.9492, 27.7804,  
34.0393

■ 48.5643, 42.4344,  
39.7899

■ 19.0000, 27.3004,  
33.5733

■ 53.6923, 45.0678,  
40.4907

■ 18.3156, 26.9568,  
33.1232

■ 59.2858, 47.9410,  
41.2170

■ 17.8659, 26.7342,  
32.6876

■ 60.2515, 48.4285,  
41.7303

■ 17.5812, 26.5964,  
32.2684

■ 60.3419, 48.4647,  
42.2064

# Harmonies

## Analogous

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



29.4878, 32.6388, 34.2394



29.4680, 32.6388, 36.6451



29.8592, 32.6388, 38.8486

# Triad

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



29.4680, 32.6388, 36.6451



32.1576, 32.6388, 39.0191



31.4836, 32.6388, 31.2540

# Complementary

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



29.4680, 32.6388, 36.6451



28.7327, 28.5992, 29.9939

# 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.



32.2150, 32.6388, 32.4212



29.4680, 32.6388, 36.6451



32.6089, 32.6388, 36.8693

# Square

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



29.4680, 32.6388, 36.6451



31.4064, 32.6388, 40.2607



32.6301, 32.6388, 34.4536



30.6412, 32.6388, 31.2001



# Rectangle

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



29.4680, 32.6388, 36.6451



30.3047, 32.6388, 39.8762



32.6301, 32.6388, 34.4536



31.7509, 32.6388, 31.5266

# Sweetspot

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



29.4689, 32.6402, 36.6458



57.2782, 61.2001, 67.2896



28.4496, 32.2537, 30.3179



12.8155, 13.7474, 15.1516



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.



29.4689, 32.6402, 36.6458



52.4588, 58.7319, 66.3276



28.4052, 30.3752, 36.7152



6.8039, 7.5023, 8.4020



14.0855, 21.3021, 25.8709



0.2567, 0.3828, 0.4881



# Inverse Universe

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



28.7327, 28.5992, 29.9939



50.8665, 49.9921, 51.9411



29.7211, 30.6970, 29.9504



6.6491, 6.6525, 7.0031



11.3421, 5.8414, 0.7865



0.2072, 0.1062, 0.0371



# Previews

## White Background



This preview shows how the XYZ color 29.4680, 32.6388, 36.6451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

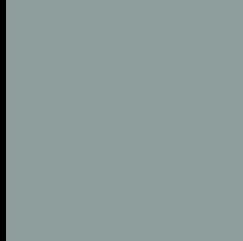
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.4680, 32.6388, 36.6451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

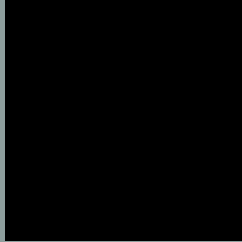
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

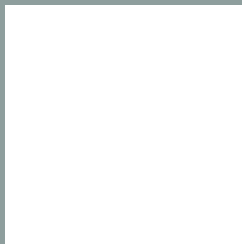
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.4680, 32.6388, 36.6451**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.4680, 32.6388, 36.6451.



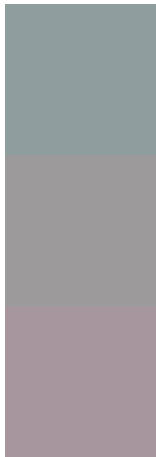
This preview shows how white text looks on a background with the XYZ color 29.4680, 32.6388,



# 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

29.4680, 32.6388, 36.6451

### Protanopia

31.3766, 32.6459, 35.6579

### Deuteranopia

33.3128, 32.6407, 37.3454



## Tritanopia

30.5515, 32.5708, 42.2127

# Trichromacy



## Original Color

29.4680, 32.6388, 36.6451

## Protanomaly

30.6710, 32.5184, 36.1126

## Deuteranomaly

31.8609, 32.6220, 36.9652

## Tritanomaly

30.1762, 32.6702, 40.3128

# Monochromacy



## Original Color

29.4680, 32.6388, 36.6451

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

29.9485, 32.1653, 35.2019

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.4680, 32.6388, 36.6451 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(142, 158, 157) looks like.

```
.text, #text, p{  
    color:rgb(142, 158, 157)  
}
```

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(142, 158, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 158, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 29.4680, 32.6388, 36.6451 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(142, 158, 157) }
```



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

```
.border{ border-color:rgb(142, 158, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 158, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 158, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 158, 157);  
box-shadow:4px 4px 4px 4px rgb(142, 158,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.4680, 32.6388, 36.6451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 158, 157) }
```

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

```
.background{ background-color: rgb(142,  
158, 157) }
```

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