

# Converting Colors

XYZ(28.3152, 30.3220, 30.3182)

Have a look what the booklet for  
XYZ(28.3152, 30.3220, 30.3182)  
contains.

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# Color

**XYZ(28.2587, 30.1854,  
30.3236)**

# Conversions

Conversions Part 1	
Format	Color
Hex	95968F
RGB	149, 150, 143
RGB Percent	58%, 59%, 56%
CMY	0.4157, 0.4118, 0.4392
CMYK	0.01, 0.00, 0.05, 0.41
HSL	69°, 3%, 57%
HSV	69°, 5%, 59%
XYZ	28.2587, 30.1854, 30.3236
YIQ	148.9030, 1.6510, -2.3890

# Conversions

## Conversions Part 2

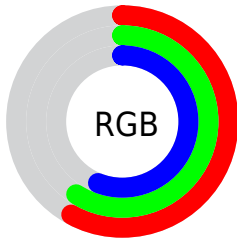
Format	Color
<a href="#">RYB</a>	<a href="#">143, 150, 144</a>
Decimal	<a href="#">9803407</a>
CIELab	<a href="#">61.81, -1.69, 3.55</a>
CIELCh	<a href="#">62, 3.935, 115.440</a>
Yxy	<a href="#">30.1854, 0.3183, 0.3400</a>
Android (android.graphics.Color)	<a href="#">4287993487</a> (0xFF95968F)
YUV	<a href="#">148.9030, -2.9102, 0.0851</a>
Hunter-Lab	<a href="#">54.9412, -4.3368, 5.7351</a>

# Details

The XYZ color **28.2587, 30.1854, 30.3236** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.8302, 27.7770, 32.8031**, and the grayscale version is **28.5383, 30.0245, 32.6967**.

A 20% lighter version of the original color is **56.2995, 59.9135, 61.4205**, and **11.4746, 12.3107, 12.1273** is the 20% darker color. If you saturate the color by 10%, you get **26.8095, 29.5619, 24.7154**, and if you desaturate by 10%, it is **29.8688, 30.8761, 36.7339**.

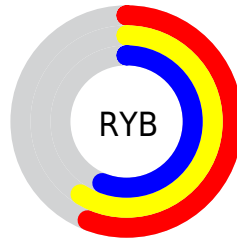
# Distribution



Red (58%)

Green (59%)

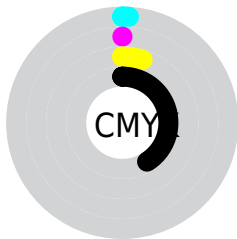
Blue (56%)



Red (56%)

Yellow (59%)

Blue (56%)

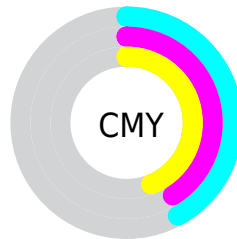


Cyan (1%)

Magenta (0%)

Yellow (5%)

Black (41%)



Cyan (42%)

Magenta (41%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2587, 30.1854, 30.3236 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 28.2587, 30.1854, 30.3236 by changing the saturation by 10% instead.





 28.2587, 30.1854,  
30.3236


 28.2587, 30.1854,  
30.3236


285.7587,  
302.7677, 317.6641

 18.6622, 19.9794,  
19.8302


 56.3030, 59.9553,  
61.2406

 11.5290, 12.3800,  
12.0888


 75.4815, 80.2879,  
82.5013

 6.4937, 7.0031,  
6.6809


98.5846, 104.7648,  
108.1882

 3.1911, 3.4640,  
3.1880

125.9779,  
133.7704, 138.7197

 1.2556, 1.3785,  
1.1914

158.0266,  
167.6891, 174.5146

 0.1496, 0.2008,  
0.0000


195.0961,

 0.0000, 0.0000,


206.9053, 215.9912


0.0000

237.5517,  
251.8033, 263.5682


 28.2587, 30.1854,  
30.3236


 28.2587, 30.1854,  
30.3236


 26.8095, 29.5619,  
24.7154


 29.8688, 30.8761,  
36.7339

 25.5127, 28.9991,  
19.8756


 31.6429, 31.6323,  
43.9740

 24.3627, 28.4959,  
15.7715


 33.5873, 32.4574,  
52.0729


 23.3526, 28.0495,  
12.3668


 35.7073, 33.3536,  
61.0575


 22.4748, 27.6568,  
9.6225


 38.0076, 34.3228,  
70.9535


 21.7213, 27.3146,  
7.4955


 40.4930, 35.3669,  
81.7856


 21.0828, 27.0193,  
5.9377

 43.1681, 36.4878,  
93.5776

 20.5488, 26.7666,  
4.8939

 44.7214, 37.1608,  
99.4234

 20.1061, 26.5511,  
4.2948

 45.1762, 37.3952,  
99.4447

# Harmonies

## Analogous

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



28.7707, 30.1854, 30.0672



28.2587, 30.1854, 30.3236



27.8667, 30.1854, 31.2533

# Triad

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



28.2587, 30.1854, 30.3236



28.1213, 30.1854, 35.3066



29.7088, 30.1854, 33.0973

# Complementary

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



28.2587, 30.1854, 30.3236



26.8302, 27.7770, 32.8031

# 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.



29.5300, 30.1854, 34.5349



28.2587, 30.1854, 30.3236



28.6101, 30.1854, 35.8349

# Square

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



28.2587, 30.1854, 30.3236



27.7880, 30.1854, 34.1249



29.1263, 30.1854, 35.5483



29.6120, 30.1854, 31.6400



# Rectangle

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



28.2587, 30.1854, 30.3236



27.7239, 30.1854, 32.1450



29.1263, 30.1854, 35.5483



29.6789, 30.1854, 33.5992

# Sweetspot

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



28.2595, 30.1867, 30.3243



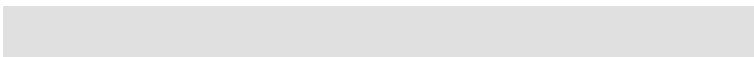
50.8722, 53.7005, 57.4730



27.4998, 28.3944, 30.0183



11.2780, 11.9025, 12.7527



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



28.2595, 30.1867, 30.3243



49.4810, 53.1032, 51.9912



27.6425, 29.8686, 30.2954



6.2761, 6.7424, 6.5641



16.5144, 21.9413, 3.3647



0.2201, 0.2778, 0.0420



# Inverse Universe

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



26.8302, 27.7770, 32.8031



46.2065, 47.5827, 57.6703



27.4389, 28.0908, 32.8316



5.8395, 6.0063, 7.3213



4.8485, 1.9721, 24.0561

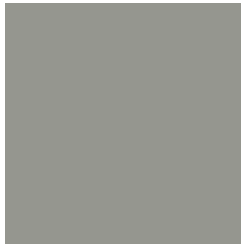


0.0742, 0.0318, 0.2951



# Previews

## White Background



This preview shows how the XYZ color 28.2587, 30.1854, 30.3236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

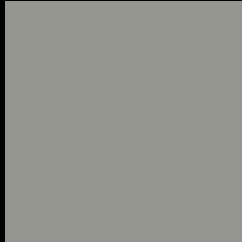
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.2587, 30.1854, 30.3236 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

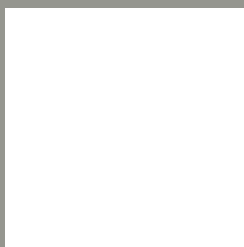
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.2587, 30.1854, 30.3236**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.2587, 30.1854, 30.3236.



This preview shows how white text looks on a background with the XYZ color 28.2587, 30.1854,



# 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

28.2587, 30.1854, 30.3236

### Protanopia

28.9564, 30.3179, 29.9170

### Deuteranopia

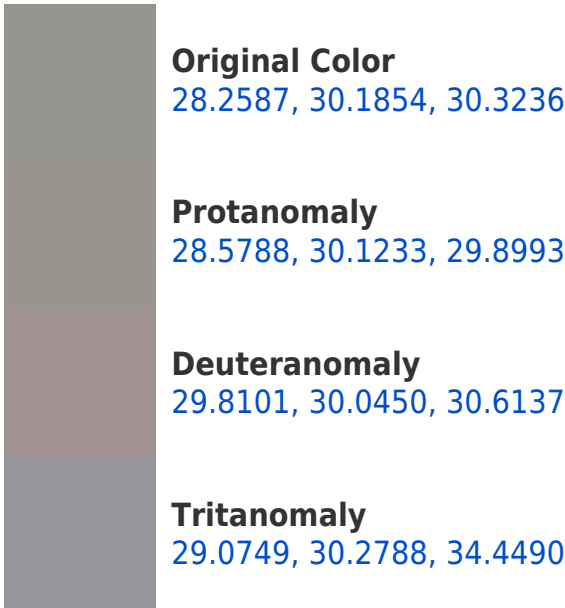
30.7332, 30.0671, 30.5693



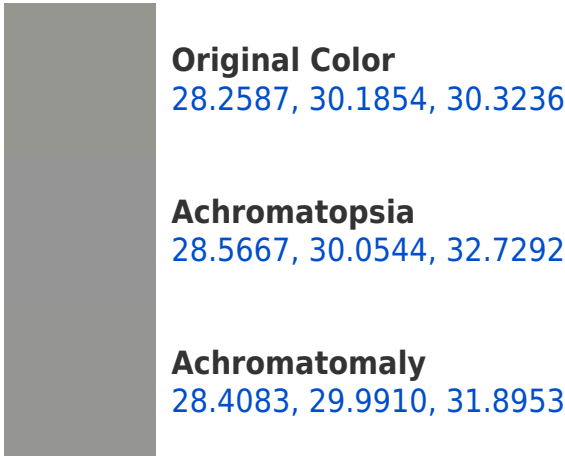
## Tritanopia

29.6104, 30.2623, 37.0815

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.2587, 30.1854, 30.3236 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(149, 150, 143) looks like.

```
.text, #text, p{  
    color:rgb(149, 150, 143)  
}
```

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(149, 150, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 150, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 28.2587, 30.1854, 30.3236 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(149, 150, 143) }
```



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

```
.border{ border-color:rgb(149, 150, 143) }
```

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

Here you see how a box with a 4 pixel rgb(149, 150, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 150, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 150, 143);  
box-shadow:4px 4px 4px 4px rgb(149, 150,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.2587, 30.1854, 30.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 150, 143) }
```

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

```
.background{ background-color: rgb(149,  
150, 143) }
```

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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