

Converting Colors

XYZ(28.6877, 30.4128, 32.1429)

Have a look what the booklet for
XYZ(28.6877, 30.4128, 32.1429)
contains.

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Color

**XYZ(28.5672, 30.3088,
31.9483)**

Conversions

Conversions Part 1

Format	Color
Hex	959693
RGB	149, 150, 147
RGB Percent	58%, 59%, 58%
CMY	0.4157, 0.4118, 0.4235
CMYK	0.01, 0.00, 0.02, 0.41
HSL	80°, 1%, 58%
HSV	80°, 2%, 59%
XYZ	28.5672, 30.3088, 31.9483
YIQ	149.3590, 0.3670, -1.1450

Conversions

Conversions Part 2

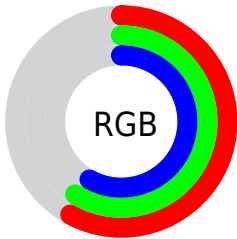
Format	Color
R_{YB}	147, 150, 148
Decimal	9803411
CIE _{Lab}	61.92, -0.94, 1.44
CIE _{LCh}	62, 1.721, 122.974
Yxy	30.3088, 0.3145, 0.3337
Android (android.graphics.Color)	4287993491 (0xFF959693)
YUV	149.3590, -1.1630, -0.3148
Hunter-Lab	55.0534, -3.7199, 4.1306

Details

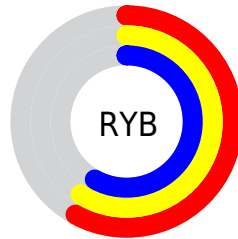
The XYZ color **28.5672, 30.3088, 31.9483** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.1526, 29.3662, 33.0401**, and the grayscale version is **28.7236, 30.2195, 32.9090**.

A 20% lighter version of the original color is **56.7641, 60.0993, 63.8669**, and **11.6565, 12.3834, 13.0851** is the 20% darker color. If you saturate the color by 10%, you get **26.5719, 29.4083, 26.1059**, and if you desaturate by 10%, it is **30.7571, 31.2936, 38.6023**.

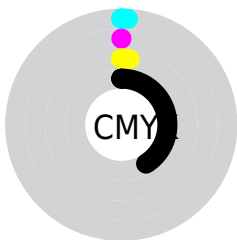
Distribution



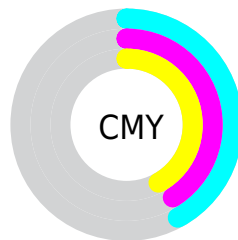
- Red (58%)
- Green (59%)
- Blue (58%)



- Red (58%)
- Yellow (59%)
- Blue (58%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (41%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5672, 30.3088, 31.9483 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 28.5672, 30.3088, 31.9483 by changing the saturation by 10% instead.

■ 28.5672, 30.3088,
31.9483

■ 28.5672, 30.3088,
31.9483

287.1986,
303.3412, 325.3691

■ 18.8963, 20.0731,
21.0575

■ 56.7911, 60.1502,
63.8270

■ 11.6989, 12.4482,
12.9744

■ 76.0748, 80.5247,
85.6520

■ 6.6097, 7.0497,
7.2804

99.2934, 105.0475,
111.9588

■ 3.2634, 3.4932,
3.5570

126.8124,
134.1031, 143.1660

■ 1.2945, 1.3943,
1.3856

158.9970,
168.0759, 179.6921

■ 0.1791, 0.2125,
0.1304

196.2127,

■ 0.0000, 0.0000,

207.3502, 221.9556

0.0000

238.8247,
252.3105, 270.3751

■ 28.5672, 30.3088,
31.9483

■ 28.5672, 30.3088,
31.9483

■ 26.5719, 29.4083,
26.1059

■ 30.7571, 31.2936,
38.6023

■ 24.7622, 28.5856,
21.0422

■ 33.1450, 32.3612,
46.0953

■ 23.1322, 27.8392,
16.7247

■ 35.7376, 33.5154,
54.4560

■ 21.6747, 27.1661,
13.1180

■ 38.5404, 34.7584,
63.7109

■ 20.3819, 26.5632,
10.1838

■ 41.5587, 36.0923,
73.8854

■ 19.2453, 26.0271,
7.8802

■ 44.7975, 37.5192,
85.0041

■ 18.2555, 25.5539,
6.1606

■ 48.2619, 39.0412,
97.0905

■ 17.4020, 25.1393,
4.9720

■ 49.9627, 39.8627,
99.6687

■ 16.6721, 24.7783,
4.2517

■ 51.2277, 40.5149,
99.7279

Harmonies

Analogous

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



28.7846, 30.3088, 31.7504



28.5672, 30.3088, 31.9483



28.4148, 30.3088, 32.4280

Triad

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



28.5672, 30.3088, 31.9483



28.6068, 30.3088, 34.1441



29.2522, 30.3088, 32.9354

Complementary

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



28.5672, 30.3088, 31.9483



28.1526, 29.3662, 33.0401

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.



29.2040, 30.3088, 33.5809



28.5672, 30.3088, 31.9483



28.8306, 30.3088, 34.2843

Square

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



28.5672, 30.3088, 31.9483



28.4376, 30.3088, 33.6964



29.0494, 30.3088, 34.0768



29.1808, 30.3088, 32.3155

Rectangle

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



28.5672, 30.3088, 31.9483



28.3702, 30.3088, 32.8462



29.0494, 30.3088, 34.0768



29.2495, 30.3088, 33.1566

Sweetspot

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



28.5681, 30.3101, 31.9490



50.7777, 53.6518, 57.4686



28.4351, 29.7714, 31.8520



11.2583, 11.8924, 12.7518



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.



28.5681, 30.3101, 31.9490



50.3997, 53.4816, 56.3383



28.2962, 30.1700, 31.9362



6.4129, 6.7993, 7.1862



13.4304, 20.3515, 3.2204



0.1957, 0.2653, 0.0409

Inverse Universe

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



28.1526, 29.3662, 33.0401



49.6530, 51.7848, 58.2997



28.4256, 29.5069, 33.0529



6.3273, 6.6047, 7.4111



5.6919, 2.4069, 24.0956



0.0985, 0.0443, 0.2963

Previews

White Background



This preview shows how the XYZ color 28.5672, 30.3088, 31.9483 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 28.5672, 30.3088, 31.9483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

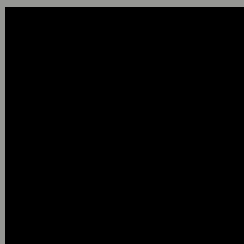
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

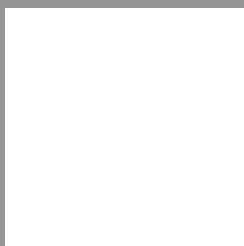
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5672, 30.3088, 31.9483

Background



This preview shows how black text looks on a background with the XYZ color 28.5672, 30.3088, 31.9483.



This preview shows how white text looks on a background with the XYZ color 28.5672, 30.3088,

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

28.5672, 30.3088, 31.9483

Protanopia

29.0726, 30.3425, 31.5185

Deuteranopia

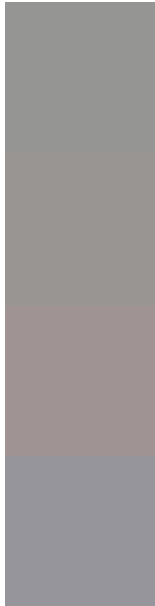
30.7805, 30.2814, 32.2396



Tritanopia

29.6976, 30.2972, 37.5404

Trichromacy



Original Color

28.5672, 30.3088, 31.9483

Protanomaly

28.8846, 30.2456, 31.5097

Deuteranomaly

30.0771, 30.3765, 32.2950

Tritanomaly

29.2415, 30.3455, 35.3264

Monochromacy



Original Color

28.5672, 30.3088, 31.9483

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.4872, 30.0226, 32.3105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5672, 30.3088, 31.9483 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(149, 150, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 150, 147) }
```

Border

The CSS property to change the border of an element to XYZ 28.5672, 30.3088, 31.9483 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, 147) }
```


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

```
.border{ border-color:rgb(149, 150, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 150, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 150, 147);  
box-shadow:4px 4px 4px 4px rgb(149, 150,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5672, 30.3088, 31.9483 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, 147) }
```

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

```
.background{ background-color: rgb(149,  
150, 147) }
```

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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