

Converting Colors

XYZ(29.4683, 36.7664, 31.0036)

Have a look what the booklet for
XYZ(29.4683, 36.7664, 31.0036)
contains.

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Color

**XYZ(29.4989, 36.8267,
31.1447)**

Conversions

Conversions Part 1

Format	Color
Hex	85AD8E
RGB	133, 173, 142
RGB Percent	52%, 68%, 56%
CMY	0.4784, 0.3216, 0.4431
CMYK	0.23, 0.00, 0.18, 0.32
HSL	133°, 20%, 60%
HSV	133°, 23%, 68%
XYZ	29.4989, 36.8267, 31.1447
YIQ	157.5060, -13.8890, -18.1210

Conversions

Conversions Part 2

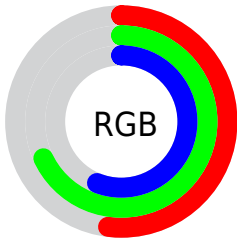
Format	Color
RYB	133, 166, 173
Decimal	8760718
CIELab	67.15, -19.87, 11.58
CIElCh	67, 22.994, 149.761
Yxy	36.8267, 0.3026, 0.3778
Android (android.graphics.Color)	4286950798 (0xFF85AD8E)
YUV	157.5060, -7.6445, -21.4918
Hunter-Lab	60.6850, -19.4302, 12.0507

Details

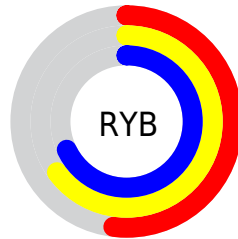
The XYZ color **29.4989, 36.8267, 31.1447** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.3232, 28.3404, 38.8901**, and the grayscale version is **32.3146, 33.9975, 37.0232**.

A 20% lighter version of the original color is **58.4766, 70.5889, 62.7675**, and **12.1279, 15.9995, 12.5742** is the 20% darker color. If you saturate the color by 10%, you get **26.0425, 35.1553, 26.0406**, and if you desaturate by 10%, it is **33.5283, 38.7816, 36.9093**.

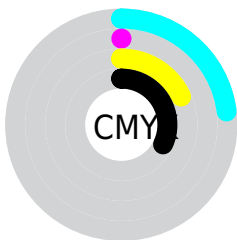
Distribution



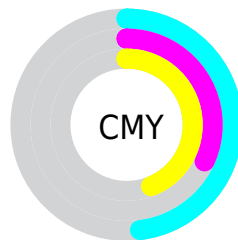
- Red (52%)
- Green (68%)
- Blue (56%)



- Red (52%)
- Yellow (65%)
- Blue (68%)



- Cyan (23%)
- Magenta (0%)
- Yellow (18%)
- Black (32%)



- Cyan (48%)
- Magenta (32%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4989, 36.8267, 31.1447 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 29.4989, 36.8267, 31.1447 by changing the saturation by 10% instead.

■ 29.4989, 36.8267,
31.1447

■ 29.4989, 36.8267,
31.1447

291.5136,
332.5596, 321.5762

■ 19.6047, 25.0733,
20.4497

■ 58.2609, 70.3062,
62.5501

■ 12.2146, 16.1317,
12.5350

■ 77.8594, 92.8011,
84.0975

■ 6.9633, 9.6174,
6.9822

■ 101.4235,
119.6453, 110.0994

■ 3.4853, 5.1460,
3.3727

129.3184,
151.2232, 140.9745

■ 1.4153, 2.3332,
1.2879

161.9095,
187.9192, 177.1411

■ 0.2671, 0.7912,
0.0519

199.5621,

■ 0.0000, 0.0000,

230.1176, 219.0179

0.0000

242.6417,
278.2030, 267.0235

■ 29.4989, 36.8267,
31.1447

■ 29.4989, 36.8267,
31.1447

■ 26.0425, 35.1553,
26.0406

■ 33.5283, 38.7816,
36.9093

■ 23.1298, 33.7497,
21.5710

■ 38.1523, 41.0275,
43.3544

■ 20.7335, 32.5972,
17.7119

■ 43.3950, 43.5774,
50.5021

■ 18.8225, 31.6826,
14.4364

■ 49.2783, 46.4422,
58.3726

■ 17.3623, 30.9886,
11.7162

■ 55.8229, 49.6322,
66.9857

■ 16.3139, 30.4956,
9.5200

■ 63.0487, 53.1573,
76.3601

■ 15.6310, 30.1806,
7.8138

■ 70.9747, 57.0267,
86.5139

■ 15.3093, 30.0346,
6.9034

■ 73.3244, 58.0046,
97.1700

■ 74.2343, 58.3686,
101.9614

Harmonies

Analogous

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



31.7639, 36.8267, 25.5721



29.4989, 36.8267, 31.1447



28.6886, 36.8267, 40.0174

Triad

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



29.4989, 36.8267, 31.1447



34.9745, 36.8267, 62.6528



41.1830, 36.8267, 31.2628

Complementary

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



29.4989, 36.8267, 31.1447



32.3232, 28.3404, 38.8901

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.



42.1813, 36.8267, 40.1787



29.4989, 36.8267, 31.1447



38.4545, 36.8267, 59.2884

Square

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



29.4989, 36.8267, 31.1447



31.7182, 36.8267, 59.1839



41.1517, 36.8267, 50.6212



38.5064, 36.8267, 25.6319

Rectangle

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



29.4989, 36.8267, 31.1447



29.0374, 36.8267, 46.9815



41.1517, 36.8267, 50.6212



41.7337, 36.8267, 33.9220

Sweetspot

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



29.4999, 36.8283, 31.1455



64.8830, 71.8019, 72.8766



34.5574, 39.5104, 27.9955



13.9979, 15.5543, 15.6949



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.4999, 36.8283, 31.1455



49.3833, 64.2857, 50.7271



31.1095, 37.4721, 39.6218



7.9756, 8.9678, 8.8963



11.2649, 22.0712, 5.1686



0.3337, 0.6221, 0.2508

Inverse Universe

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



32.3232, 28.3404, 38.8901



55.3746, 46.2663, 67.1563



30.6818, 27.6838, 30.2464



8.2588, 8.1168, 9.6736



15.8480, 7.8017, 17.3769



0.4596, 0.2245, 0.5823

Previews

White Background



This preview shows how the XYZ color 29.4989, 36.8267, 31.1447 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 29.4989, 36.8267, 31.1447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

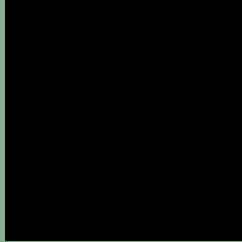
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4989, 36.8267, 31.1447

Background



This preview shows how black text looks on a background with the XYZ color 29.4989, 36.8267, 31.1447.



This preview shows how white text looks on a background with the XYZ color 29.4989, 36.8267,

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

29.4989, 36.8267, 31.1447

Protanopia

34.6258, 36.7712, 28.9395

Deuteranopia

37.1754, 36.4726, 31.8686



Tritanopia

33.1583, 36.9169, 49.0941

Trichromacy



Original Color

29.4989, 36.8267, 31.1447

Protanomaly

32.5795, 36.7706, 29.8064

Deuteranomaly

33.8571, 36.3150, 31.6106

Tritanomaly

31.6663, 36.8578, 42.0045

Monochromacy



Original Color

29.4989, 36.8267, 31.1447

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.1591, 34.8509, 34.7904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4989, 36.8267, 31.1447 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(133, 173, 142)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 142)  
}
```

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(133, 173, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 142) }
```

Border

The CSS property to change the border of an element to XYZ 29.4989, 36.8267, 31.1447 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(133, 173, 142) }
```


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

```
.border{ border-color:rgb(133, 173, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 173, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 142);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4989, 36.8267, 31.1447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 142) }
```

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

```
.background{ background-color: rgb(133,  
173, 142) }
```

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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