

Converting Colors

XYZ(33.9798, 27.8496, 53.3048)

Have a look what the booklet for
XYZ(33.9798, 27.8496, 53.3048)
contains.

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Color

**XYZ(34.0282, 27.9020,
53.4613)**

Conversions

Conversions Part 1

Format	Color
Hex	AB80C0
RGB	171, 128, 192
RGB Percent	67%, 50%, 75%
CMY	0.3294, 0.4980, 0.2471
CMYK	0.11, 0.33, 0.00, 0.25
HSL	280°, 34%, 63%
HSV	280°, 33%, 75%
XYZ	34.0282, 27.9020, 53.4613
YIQ	148.1530, 5.0840, 29.0200

Conversions

Conversions Part 2

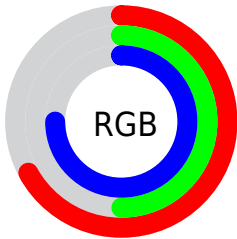
Format	Color
RYB	171, 128, 192
Decimal	11239616
CIELab	59.80, 28.31, -27.09
CIELCh	60, 39.184, 316.259
Yxy	27.9020, 0.2949, 0.2418
Android (android.graphics.Color)	4289429696 (0xFFAB80C0)
YUV	148.1530, 21.6166, 20.0368
Hunter-Lab	52.8223, 22.5508, -23.0316

Details

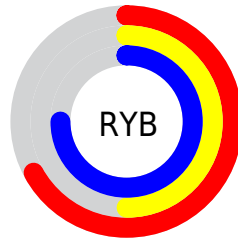
The XYZ color **34.0282, 27.9020, 53.4613** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.1411, 45.6480, 27.3821**, and the grayscale version is **28.1240, 29.5887, 32.2221**.

A 20% lighter version of the original color is **65.3013, 56.2182, 97.0320**, and **14.7830, 11.1353, 25.4149** is the 20% darker color. If you saturate the color by 10%, you get **30.4173, 22.6686, 52.6419**, and if you desaturate by 10%, it is **38.1802, 34.1192, 54.4429**.

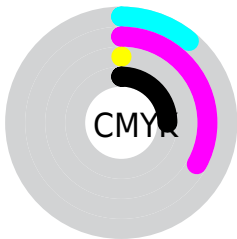
Distribution



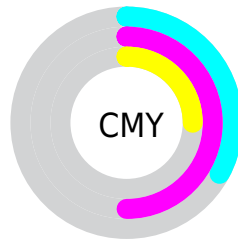
- Red (67%)
- Green (50%)
- Blue (75%)



- Red (67%)
- Yellow (50%)
- Blue (75%)



- Cyan (11%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



- Cyan (33%)
- Magenta (50%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0282, 27.9020, 53.4613 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 34.0282, 27.9020, 53.4613 by changing the saturation by 10% instead.

■ 34.0282, 27.9020,
53.4613

■ 34.0282, 27.9020,
53.4613

311.8415,
291.9983, 417.1688

■ 23.0783, 18.2518,
37.7809

■ 65.3215, 56.3279,
96.7312

■ 14.7723, 11.1309,
25.5122

■ 86.3956, 75.8725,
125.1579

■ 8.7450, 6.1550,
16.2366

■ 111.5751, 99.4839,
158.6703

■ 4.6310, 2.9395,
9.5355

141.2254,
127.5466, 197.6871

■ 2.0649, 1.1002,
4.9906

175.7118,
160.4450, 242.6268

■ 0.6701, 0.0000,
2.1831

215.3997,

■ 0.0000, 0.0000,

198.5635, 293.9080

0.6646

260.6545,
242.2865, 351.9492

■ 0.0000, 0.0000,
0.0000

■ 34.0282, 27.9020,
53.4613

■ 34.0282, 27.9020,
53.4613

■ 30.4173, 22.6686,
52.6419

■ 38.1802, 34.1192,
54.4429

■ 27.3171, 18.3613,
51.9739

■ 42.8961, 41.3664,
55.5932

■ 24.6980, 14.9220,
51.4481

■ 48.2007, 49.6913,
56.9205

■ 22.5261, 12.2841,
51.0534

■ 54.1163, 59.1374,
58.4320

■ 20.7626, 10.3713,
50.7771

■ 60.6642, 69.7458,
60.1345

■ 19.3608, 9.0917,
50.6040

■ 67.8645, 81.5554,
62.0345

■ 18.5680, 8.4730,
50.5264

■ 73.3286, 89.7882,
63.3356

■ 75.2157, 90.7610,
63.4239

■ 77.1747, 91.7710,
63.5156

Harmonies

Analogous

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



29.2822, 27.9020, 64.8897



34.0282, 27.9020, 53.4613



36.9103, 27.9020, 37.3446

Triad

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



34.0282, 27.9020, 53.4613



28.8516, 27.9020, 10.8164



18.3741, 27.9020, 38.6918

Complementary

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



34.0282, 27.9020, 53.4613



35.1411, 45.6480, 27.3821

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.



18.2893, 27.9020, 24.3410



34.0282, 27.9020, 53.4613



23.9372, 27.9020, 10.9733

Square

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



34.0282, 27.9020, 53.4613



33.6792, 27.9020, 14.6055



20.2064, 27.9020, 15.1330



20.4548, 27.9020, 54.7088

Rectangle

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



34.0282, 27.9020, 53.4613



37.1805, 27.9020, 27.4975



20.2064, 27.9020, 15.1330



18.1210, 27.9020, 33.4583

Sweetspot

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



34.0291, 27.9032, 53.4619



80.6557, 79.5219, 101.4585



29.2178, 29.9966, 54.1196



17.0196, 16.6170, 21.6957



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



34.0291, 27.9032, 53.4619



56.7817, 43.4566, 95.7555



37.8329, 29.9957, 47.6920



10.1657, 10.0766, 12.6940



12.5789, 5.7451, 34.0025



0.6135, 0.2843, 1.4724

Inverse Universe

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



34.8830, 28.8158, 32.1582



58.8054, 45.5071, 50.3418



32.3885, 44.1435, 31.1132



10.2064, 10.1312, 11.1776



15.2635, 7.7952, 4.0337



0.6917, 0.3497, 0.3439

Previews

White Background



This preview shows how the XYZ color 34.0282, 27.9020, 53.4613 looks on a white background.

Color Contrast Check

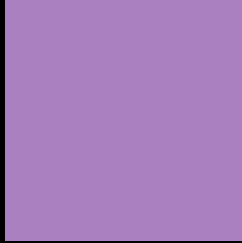
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0282, 27.9020, 53.4613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

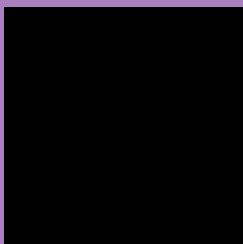
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.0282, 27.9020, 53.4613

Background



This preview shows how black text looks on a background with the XYZ color 34.0282, 27.9020, 53.4613.



This preview shows how white text looks on a background with the XYZ color 34.0282, 27.9020,

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

34.0282, 27.9020, 53.4613

Protanopia

29.0567, 28.0934, 60.3910

Deuteranopia

28.6898, 28.0885, 52.0536



Tritanopia

29.6008, 27.9220, 31.8463

Trichromacy



Original Color

34.0282, 27.9020, 53.4613

Protanomaly

30.4098, 27.7656, 57.7894

Deuteranomaly

30.2725, 27.8121, 52.4879

Tritanomaly

31.1623, 27.9460, 38.8736

Monochromacy



Original Color

34.0282, 27.9020, 53.4613

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.9360, 28.7980, 39.1027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0282, 27.9020, 53.4613 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(171, 128, 192)` looks like.

```
.text, #text, p{  
    color:rgb(171, 128, 192)  
}
```

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(171, 128, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 128, 192) }
```

Border

The CSS property to change the border of an element to XYZ 34.0282, 27.9020, 53.4613 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(171, 128, 192) }
```


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

```
.border{ border-color:rgb(171, 128, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 128, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 128, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 128, 192); box-shadow:4px 4px 4px 4px rgb(171, 128, 192) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0282, 27.9020, 53.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 128, 192) }
```

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

```
.background{ background-color: rgb(171,  
128, 192) }
```

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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