

Converting Colors

XYZ(33.1618, 27.8506, 34.4569)

Have a look what the booklet for
XYZ(33.1618, 27.8506, 34.4569)
contains.

XYZ(33.1640, 27.8722, 34.6423)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.1640, 27.8722,
34.6423)**

Conversions

Conversions Part 1

Format	Color
Hex	B7809B
RGB	183, 128, 155
RGB Percent	72%, 50%, 61%
CMY	0.2824, 0.4980, 0.3922
CMYK	0.00, 0.30, 0.15, 0.28
HSL	331°, 28%, 61%
HSV	331°, 30%, 72%
XYZ	33.1640, 27.8722, 34.6423
YIQ	147.5230, 24.1130, 20.0570

Conversions

Conversions Part 2

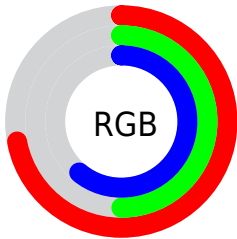
Format	Color
RYB	183, 128, 155
Decimal	12026011
CIELab	59.77, 25.39, -5.89
CIELCh	60, 26.069, 346.937
Yxy	27.8722, 0.3466, 0.2913
Android (android.graphics.Color)	4290216091 (0xFFB7809B)
YUV	147.5230, 3.6862, 31.1133
Hunter-Lab	52.7941, 19.7397, -1.9489

Details

The XYZ color **33.1640, 27.8722, 34.6423** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.8375, 40.8572, 37.6626**, and the grayscale version is **27.9287, 29.3832, 31.9983**.

A 20% lighter version of the original color is **63.9677, 56.1765, 67.7933**, and **14.2763, 11.1154, 14.4897** is the 20% darker color. If you saturate the color by 10%, you get **30.2364, 23.2211, 29.9539**, and if you desaturate by 10%, it is **36.5841, 33.4110, 39.7934**.

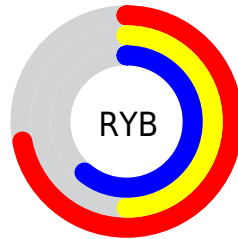
Distribution



Red (72%)

Green (50%)

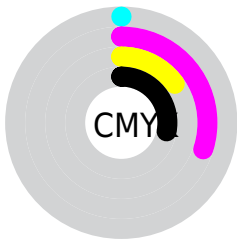
Blue (61%)



Red (72%)

Yellow (50%)

Blue (61%)

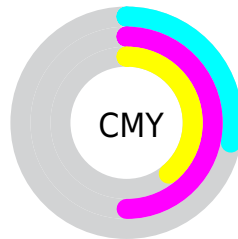


Cyan (0%)

Magenta (30%)

Yellow (15%)

Black (28%)



Cyan (28%)


Magenta (50%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1640, 27.8722, 34.6423 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 33.1640, 27.8722, 34.6423 by changing the saturation by 10% instead.


 33.1640, 27.8722,
34.6423


 33.1640, 27.8722,
34.6423


308.0400,
291.8557, 337.8428

 22.4119, 18.2293,
23.1061


 63.9845, 56.2803,
68.0765

 14.2782, 11.1148,
14.4658


 84.7836, 75.8144,
90.8117

 8.3974, 6.1441,
8.3029


 109.6624, 99.4143,
118.1169

 4.4042, 2.9329,
4.1989

138.9863,
127.4645, 150.4107

 1.9333, 1.0968,
1.7351

173.1207,
160.3494, 188.1116

 0.5961, 0.0000,
0.3846

212.4309,

 0.0000, 0.0000,

198.4533, 231.6383

0.0000

257.2822,
242.1606, 281.4092

■ 33.1640, 27.8722,
34.6423

■ 33.1640, 27.8722,
34.6423

■ 30.2364, 23.2211,
29.9539

■ 36.5841, 33.4110,
39.7934

■ 27.7744, 19.4069,
25.7115

■ 40.5169, 39.8770,
45.4195

■ 25.7520, 16.3798,
21.9001

■ 44.9846, 47.3119,
51.5346

■ 24.1396, 14.0828,
18.5024

■ 50.0072, 55.7539,
58.1514

■ 22.9038, 12.4514,
15.4999

■ 55.6037, 65.2389,
65.2820

■ 22.0051, 11.4094,
12.8717

■ 61.7920, 75.8012,
72.9384

■ 21.3668, 10.8027,
10.5941

■ 68.2360, 86.7663,
81.0139

■ 69.5065, 87.2745,
87.7045

■ 70.8469, 87.8107,
94.7631

Harmonies

Analogous

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



31.4018, 27.8722, 44.5198



33.1640, 27.8722, 34.6423



33.0352, 27.8722, 25.3572

Triad

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



33.1640, 27.8722, 34.6423



24.6863, 27.8722, 16.0751



22.3921, 27.8722, 45.6504

Complementary

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



33.1640, 27.8722, 34.6423



31.8375, 40.8572, 37.6626

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.



20.8749, 27.8722, 35.9543



33.1640, 27.8722, 34.6423



22.1221, 27.8722, 19.5567

Square

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



33.1640, 27.8722, 34.6423



27.9515, 27.8722, 15.8679



20.7803, 27.8722, 26.4243



25.0836, 27.8722, 51.7083

Rectangle

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



33.1640, 27.8722, 34.6423



31.8924, 27.8722, 20.6874



20.7803, 27.8722, 26.4243



21.7379, 27.8722, 42.6271

Sweetspot

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



33.1648, 27.8735, 34.6429



73.2479, 72.5496, 82.2986



29.8813, 25.8769, 48.2199



15.9363, 15.6237, 17.8393



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.1648, 27.8735, 34.6429



55.8692, 44.2950, 56.4583



31.1449, 27.0655, 24.0063



9.1834, 9.0837, 10.3132



14.9403, 7.5499, 7.5724



0.5580, 0.2787, 0.4317

Inverse Universe

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



33.1648, 27.8735, 34.6429



55.8692, 44.2950, 56.4583



34.3837, 41.8757, 51.0706



9.1834, 9.0837, 10.3132



14.9403, 7.5499, 7.5724



0.5580, 0.2787, 0.4317

Previews

White Background



This preview shows how the XYZ color 33.1640, 27.8722, 34.6423 looks on a white background.

Color Contrast Check

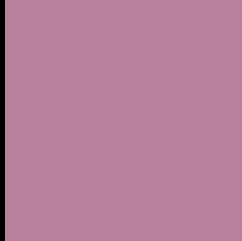
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1640, 27.8722, 34.6423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

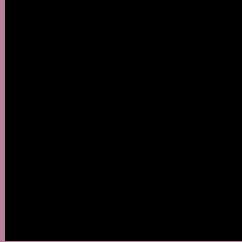
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1640, 27.8722, 34.6423

Background



This preview shows how black text looks on a background with the XYZ color 33.1640, 27.8722, 34.6423.



This preview shows how white text looks on a background with the XYZ color 33.1640, 27.8722,

34.6423.

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

33.1640, 27.8722, 34.6423

Protanopia

27.5985, 28.0243, 39.5519

Deuteranopia

28.4543, 27.9261, 34.0276



Tritanopia

31.9801, 27.9794, 28.9143

Trichromacy



Original Color

33.1640, 27.8722, 34.6423

Protanomaly

29.2318, 27.8181, 37.5470

Deuteranomaly

30.1539, 27.9407, 34.3757

Tritanomaly

32.4623, 27.9857, 30.8850

Monochromacy



Original Color

33.1640, 27.8722, 34.6423

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.8087, 28.8612, 33.2778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1640, 27.8722, 34.6423 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(183, 128, 155)` looks like.

```
.text, #text, p{  
    color:rgb(183, 128, 155)  
}
```

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(183, 128, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 128, 155) }
```

Border

The CSS property to change the border of an element to XYZ 33.1640, 27.8722, 34.6423 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(183, 128, 155) }
```


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

```
.border{ border-color:rgb(183, 128, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 128, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 128, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 128, 155);  
box-shadow:4px 4px 4px 4px rgb(183, 128,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1640, 27.8722, 34.6423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 128, 155) }
```

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

```
.background{ background-color: rgb(183,  
128, 155) }
```

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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