

Converting Colors

XYZ(33.7380, 30.4848, 35.9780)

Have a look what the booklet for
XYZ(33.7380, 30.4848, 35.9780)
contains.

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Color

**XYZ(33.6785, 30.3645,
35.9842)**

Conversions

Conversions Part 1

Format	Color
Hex	B28B9D
RGB	178, 139, 157
RGB Percent	70%, 55%, 62%
CMY	0.3020, 0.4549, 0.3843
CMYK	0.00, 0.22, 0.12, 0.30
HSL	332°, 20%, 62%
HSV	332°, 22%, 70%
XYZ	33.6785, 30.3645, 35.9842
YIQ	152.7130, 17.4660, 13.8660

Conversions

Conversions Part 2

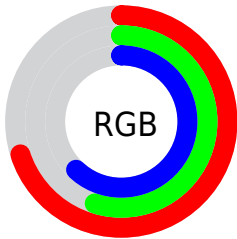
Format	Color
RYB	178, 139, 157
Decimal	11701149
CIELab	61.97, 17.75, -3.85
CIElCh	62, 18.160, 347.762
Yxy	30.3645, 0.3367, 0.3036
Android (android.graphics.Color)	4289891229 (0xFFB28B9D)
YUV	152.7130, 2.1135, 22.1767
Hunter-Lab	55.1040, 12.6638, -0.1450

Details

The XYZ color **33.6785, 30.3645, 35.9842** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **32.9142, 39.8686, 39.2201**, and the grayscale version is **30.1400, 31.7097, 34.5318**.

A 20% lighter version of the original color is **64.8853, 60.3858, 70.5232**, and **14.6313, 12.5453, 15.2860** is the 20% darker color. If you saturate the color by 10%, you get **30.5216, 25.3091, 31.0516**, and if you desaturate by 10%, it is **37.3210, 36.2876, 41.3962**.

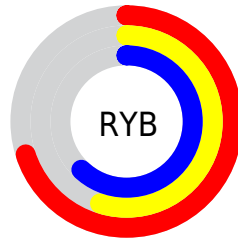
Distribution



Red (70%)

Green (55%)

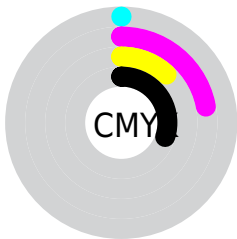
Blue (62%)



Red (70%)

Yellow (55%)

Blue (62%)

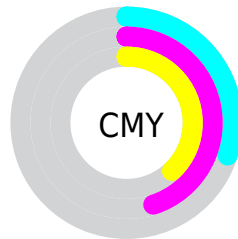


Cyan (0%)

Magenta (22%)

Yellow (12%)

Black (30%)



Cyan (30%)


Magenta (45%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6785, 30.3645, 35.9842 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 33.6785, 30.3645, 35.9842 by changing the saturation by 10% instead.


 33.6785, 30.3645,
35.9842


 33.6785, 30.3645,
35.9842


310.3073,
303.5998, 343.9268

 22.8084, 20.1154,
24.1324


 64.7810, 60.2381,
70.1764

 14.5720, 12.4790,
15.2188


 85.7442, 80.6315,
93.3540

 8.6039, 7.0708,
8.8247


 110.8024,
105.1750, 121.1438

 4.5388, 3.5064,
4.5318

140.3211,
134.2532, 153.9645

 2.0112, 1.4015,
1.9214

174.6656,
168.2504, 192.2346

 0.6403, 0.2178,
0.5063

214.2012,

 0.0000, 0.0000,

207.5509, 236.3727

0.0000

259.2933,
252.5393, 286.7972

■ 33.6785, 30.3645,
35.9842

■ 33.6785, 30.3645,
35.9842

■ 30.5216, 25.3091,
31.0516

■ 37.3210, 36.2876,
41.3962

■ 27.8260, 21.0762,
26.5819

■ 41.4668, 43.1126,
47.2995

■ 25.5689, 17.6225,
22.5605

■ 46.1359, 50.8770,
53.7077

■ 23.7249, 14.8994,
18.9712

■ 51.3465, 59.6149,
60.6336

■ 22.2653, 12.8523,
15.7962

■ 57.1156, 69.3587,
68.0892

■ 21.1579, 11.4193,
13.0163

■ 63.4599, 80.1391,
76.0862

■ 20.3641, 10.5266,
10.6098

■ 67.5882, 86.3722,
83.7004

■ 19.8889, 10.0765,
8.9087

■ 68.9262, 86.9074,
90.7461

■ 70.3386, 87.4724,
98.1841

Harmonies

Analogous

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



32.4648, 30.3645, 42.9115



33.6785, 30.3645, 35.9842



33.5493, 30.3645, 29.1404

Triad

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



33.6785, 30.3645, 35.9842



27.4567, 30.3645, 21.8726



25.8284, 30.3645, 44.0071

Complementary

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



33.6785, 30.3645, 35.9842



32.9142, 39.8686, 39.2201

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.



24.6303, 30.3645, 37.3201



33.6785, 30.3645, 35.9842



25.5335, 30.3645, 24.8479

Square

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



33.6785, 30.3645, 35.9842



29.8637, 30.3645, 21.6199



24.5255, 30.3645, 30.3020



27.8801, 30.3645, 47.9612

Rectangle

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



33.6785, 30.3645, 35.9842



32.7195, 30.3645, 25.5165



24.5255, 30.3645, 30.3020



25.3176, 30.3645, 41.9646

Sweetspot

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



33.6794, 30.3659, 35.9848



71.1614, 71.5209, 80.0806



31.7269, 29.1341, 46.0711



15.6686, 15.6855, 17.6031



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.6794, 30.3659, 35.9848



58.3677, 50.7112, 61.0866



32.4433, 30.1744, 28.5420



8.6541, 8.5683, 9.6767



14.2617, 7.2222, 6.5380



0.4783, 0.2391, 0.3614

Inverse Universe

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



33.6794, 30.3659, 35.9848



58.3677, 50.7112, 61.0866



34.3472, 40.0299, 48.0361



8.6541, 8.5683, 9.6767



14.2617, 7.2222, 6.5380



0.4783, 0.2391, 0.3614

Previews

White Background



This preview shows how the XYZ color 33.6785, 30.3645, 35.9842 looks on a white background.

Color Contrast Check

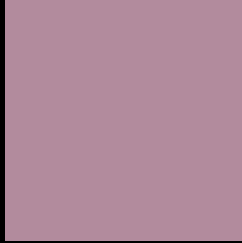
Large Text (above 18pt) WCAG AA × Fail

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 33.6785, 30.3645, 35.9842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

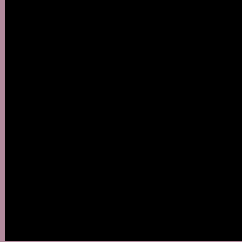
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6785, 30.3645, 35.9842

Background



This preview shows how black text looks on a background with the XYZ color 33.6785, 30.3645, 35.9842.



This preview shows how white text looks on a background with the XYZ color 33.6785, 30.3645,

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

33.6785, 30.3645, 35.9842

Protanopia

29.7527, 30.5288, 38.9748

Deuteranopia

31.0264, 30.3325, 35.6720



Tritanopia

33.0955, 30.3376, 33.3896

Trichromacy



Original Color

33.6785, 30.3645, 35.9842

Protanomaly

31.0556, 30.2976, 37.9294

Deuteranomaly

31.9717, 30.3701, 35.6294

Tritanomaly

33.2593, 30.4032, 34.2524

Monochromacy



Original Color

33.6785, 30.3645, 35.9842

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.3229, 31.1943, 34.9421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6785, 30.3645, 35.9842 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(178, 139, 157)` looks like.

```
.text, #text, p{  
    color:rgb(178, 139, 157)  
}
```

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(178, 139, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 139, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.6785, 30.3645, 35.9842 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(178, 139, 157) }
```


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

```
.border{ border-color:rgb(178, 139, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 139, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 139, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 139, 157);  
box-shadow:4px 4px 4px 4px rgb(178, 139,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6785, 30.3645, 35.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 139, 157) }
```

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

```
.background{ background-color: rgb(178,  
139, 157) }
```

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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