

Converting Colors

XYZ(30.5166, 17.3206, 33.7833)

Have a look what the booklet for
XYZ(30.5166, 17.3206, 33.7833)
contains.

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Color

**XYZ(30.4147, 17.2980,
33.6341)**

Conversions

Conversions Part 1

Format	Color
Hex	C43B9D
RGB	196, 59, 157
RGB Percent	77%, 23%, 62%
CMY	0.2314, 0.7686, 0.3843
CMYK	0.00, 0.70, 0.20, 0.23
HSL	317°, 54%, 50%
HSV	317°, 70%, 77%
XYZ	30.4147, 17.2980, 33.6341
YIQ	111.1350, 50.1940, 59.5220

Conversions

Conversions Part 2

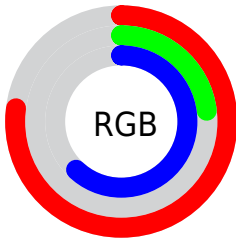
Format	Color
R_{YB}	196, 59, 157
Decimal	12860317
CIE _{Lab}	48.63, 63.40, -23.76
CIE _{LCh}	49, 67.708, 339.456
Yxy	17.2980, 0.3739, 0.2126
Android (android.graphics.Color)	4291050397 (0xFFC43B9D)
YUV	111.1350, 22.6114, 74.4266
Hunter-Lab	41.5909, 57.7500, -18.8336

Details

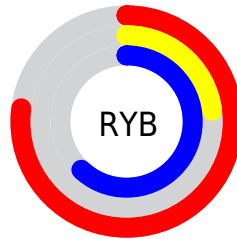
The XYZ color **30.4147, 17.2980, 33.6341** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **23.7491, 41.2921, 18.2756**, and the grayscale version is **15.0758, 15.8609, 17.2725**.

A 20% lighter version of the original color is **59.4850, 38.7360, 66.6290**, and **13.0310, 6.4232, 13.9176** is the 20% darker color. If you saturate the color by 10%, you get **29.1242, 15.4618, 30.9070**, and if you desaturate by 10%, it is **32.1061, 19.9007, 36.6025**.

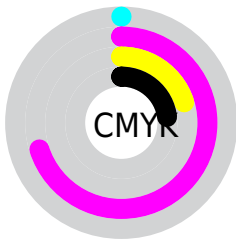
Distribution



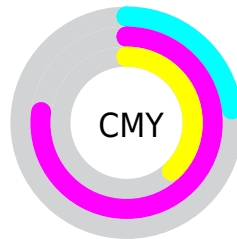
- Red (77%)
- Green (23%)
- Blue (62%)



- Red (77%)
- Yellow (23%)
- Blue (62%)



- Cyan (0%)
- Magenta (70%)
- Yellow (20%)
- Black (23%)





- Cyan (23%)
- Magenta (77%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4147, 17.2980, 33.6341 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 30.4147, 17.2980, 33.6341 by changing the saturation by 10% instead.

 30.4147, 17.2980,
33.6341


 30.4147, 17.2980,
33.6341


295.7080,
236.8839, 333.2166

 20.3032, 10.4472,
22.3376


 59.6995, 38.8374,
66.4916


 12.7252, 5.6964,
13.9045


 79.6036, 54.2948,
88.8897


 7.3153, 2.6614,
7.9163


 103.5025, 73.3899,
115.8254

 3.7081, 0.9576,
3.9544

 131.7617, 96.5070,
147.7172

 1.5384, 0.0000,
1.6004

 164.7465,
124.0306, 184.9837

 0.3517, 0.0000,
0.2911

202.8222,

 0.0000, 0.0000,

156.3450, 228.0434

0.0000

246.3542,
193.8346, 277.3149

■ 30.4147, 17.2980,
33.6341

■ 30.4147, 17.2980,
33.6341

■ 29.1242, 15.4618,
30.9070

■ 32.1061, 19.9007,
36.6025

■ 28.1878, 14.2997,
28.4036

■ 34.2350, 23.3432,
39.8254

■ 27.5202, 13.6415,
26.0945

■ 36.8355, 27.6933,
43.3155

■ 27.5136, 13.6352,
26.0707

■ 39.9379, 33.0109,
47.0844

■ 43.5697, 39.3510,
51.1426

■ 47.7567, 46.7641,
55.4999

■ 52.5225, 55.2978,
60.1654

■ 57.8898, 64.9964,
65.1480

■ 63.8797, 75.9021,
70.4559

Harmonies

Analogous

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



25.2961, 17.2980, 59.7227



30.4147, 17.2980, 33.6341



31.3271, 17.2980, 13.7388

Triad

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



30.4147, 17.2980, 33.6341



14.5495, 17.2980, 1.2114



8.8137, 17.2980, 50.1593

Complementary

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



30.4147, 17.2980, 33.6341



23.7491, 41.2921, 18.2756

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.



7.2249, 17.2980, 25.0563



30.4147, 17.2980, 33.6341



9.9394, 17.2980, 2.8178

Square

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



30.4147, 17.2980, 33.6341



21.0170, 17.2980, 1.5085



7.5770, 17.2980, 9.1729



12.5830, 17.2980, 72.7416

Rectangle

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



30.4147, 17.2980, 33.6341



29.2439, 17.2980, 6.4940



7.5770, 17.2980, 9.1729



8.0564, 17.2980, 41.2634

Sweetspot

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



30.4153, 17.2989, 33.6344



77.9235, 69.5201, 91.5591



16.5461, 9.7011, 53.2252



16.2712, 14.1661, 19.1492



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.4153, 17.2989, 33.6344



51.7659, 26.7280, 53.4814



26.1196, 15.5806, 11.0137



10.3711, 10.1970, 12.0446



17.7171, 8.7766, 16.9543



0.7939, 0.3906, 0.8821

Inverse Universe

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



30.4153, 17.2989, 33.6344



51.7659, 26.7280, 53.4814



28.4563, 43.1750, 43.0637



10.3711, 10.1970, 12.0446



17.7171, 8.7766, 16.9543



0.7939, 0.3906, 0.8821

Previews

White Background



This preview shows how the XYZ color 30.4147, 17.2980, 33.6341 looks on a white background.

Color Contrast Check

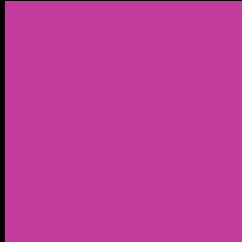
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.4147, 17.2980, 33.6341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

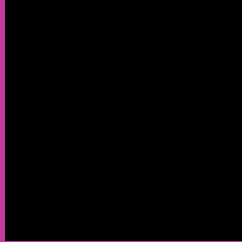
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.4147, 17.2980, 33.6341

Background



This preview shows how black text looks on a background with the XYZ color 30.4147, 17.2980, 33.6341.



This preview shows how white text looks on a background with the XYZ color 30.4147, 17.2980,

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

30.4147, 17.2980, 33.6341

Protanopia

19.4723, 17.6001, 57.0144

Deuteranopia

17.8725, 17.5196, 30.8734



Tritanopia

25.7436, 17.3403, 10.5845

Trichromacy



Original Color

30.4147, 17.2980, 33.6341



Protanomaly

20.4512, 15.3543, 47.2332



Deuteranomaly

20.6547, 15.9351, 31.6929



Tritanomaly

26.9248, 16.9889, 16.8990

Monochromacy



Original Color

30.4147, 17.2980, 33.6341



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.8788, 14.9636, 22.3153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4147, 17.2980, 33.6341 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(196, 59, 157)` looks like.

```
.text, #text, p{  
    color:rgb(196, 59, 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(196, 59, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 59, 157) }
```

Border

The CSS property to change the border of an element to XYZ 30.4147, 17.2980, 33.6341 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(196, 59, 157) }
```


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

```
.border{ border-color:rgb(196, 59, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 59, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 59, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 59, 157);  
box-shadow:4px 4px 4px 4px rgb(196, 59,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4147, 17.2980, 33.6341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 59, 157) }
```

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

```
.background{ background-color: rgb(196, 59,  
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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