

Converting Colors

XYZ(28.8723, 15.8444, 34.0051)

Have a look what the booklet for
XYZ(28.8723, 15.8444, 34.0051)
contains.

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Color

**XYZ(28.7980, 15.8262,
33.8847)**

Conversions

Conversions Part 1

Format	Color
Hex	BF329E
RGB	191, 50, 158
RGB Percent	75%, 20%, 62%
CMY	0.2510, 0.8039, 0.3804
CMYK	0.00, 0.74, 0.17, 0.25
HSL	314°, 59%, 47%
HSV	314°, 74%, 75%
XYZ	28.7980, 15.8262, 33.8847
YIQ	104.4710, 49.3680, 63.4800

Conversions

Conversions Part 2

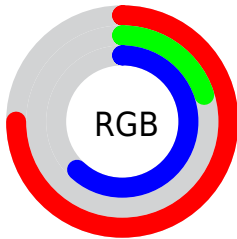
Format	Color
R_{YB}	191, 50, 158
Decimal	12530334
CIE _{Lab}	46.75, 65.37, -27.35
CIE _{LCh}	47, 70.860, 337.295
Yxy	15.8262, 0.3668, 0.2016
Android (android.graphics.Color)	4290720414 (0xFFBF329E)
YUV	104.4710, 26.3898, 75.8859
Hunter-Lab	39.7822, 59.5960, -22.6531

Details

The XYZ color **28.7980, 15.8262, 33.8847** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **21.5084, 38.5648, 14.4955**, and the grayscale version is **13.2075, 13.8954, 15.1320**.

A 20% lighter version of the original color is **57.3698, 36.4652, 66.9656**, and **12.2744, 6.0272, 14.1521** is the 20% darker color. If you saturate the color by 10%, you get **27.7672, 14.3691, 31.6770**, and if you desaturate by 10%, it is **30.1843, 17.9715, 36.2802**.

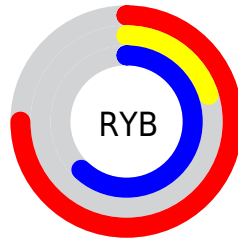
Distribution



Red (75%)

Green (20%)

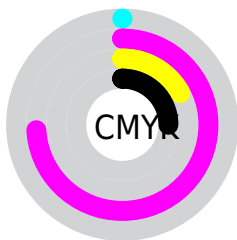
Blue (62%)



Red (75%)

Yellow (20%)

Blue (62%)

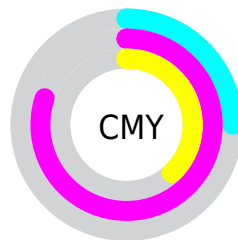


Cyan (0%)

Magenta (74%)

Yellow (17%)

Black (25%)



Cyan (25%)

Magenta (80%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7980, 15.8262, 33.8847 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 28.7980, 15.8262, 33.8847 by changing the saturation by 10% instead.

■ 28.7980, 15.8262,
33.8847

■ 28.7980, 15.8262,
33.8847

288.2721,
228.3140, 334.3711

■ 19.0716, 9.4013,
22.5284

■ 57.1558, 36.2962,
66.8862

■ 11.8263, 5.0038,
14.0437

■ 76.5178, 51.1101,
89.3684

■ 6.6969, 2.2495,
8.0119

■ 99.8225, 69.4890,
116.3964

■ 3.3179, 0.7468,
4.0147

■ 127.4351, 91.8175,
148.3886

■ 1.3240, 0.0000,
1.6334

■ 159.7210,
118.4798, 185.7637

■ 0.2011, 0.0000,
0.3145

197.0456,

■ 0.0000, 0.0000,

149.8604, 228.9401

0.0000

239.7741,
186.3436, 278.3364

■ 28.7980, 15.8262,
33.8847

■ 28.7980, 15.8262,
33.8847

■ 27.7672, 14.3691,
31.6770

■ 30.1843, 17.9715,
36.2802

■ 27.0447, 13.5066,
29.6403

■ 31.9625, 20.8780,
38.8761

■ 26.6973, 13.1610,
28.4481

■ 34.1659, 24.6123,
41.6841

■ 36.8240, 29.2328,
44.7149

■ 39.9635, 34.7927,
47.9781

■ 43.6090, 41.3411,
51.4824

■ 47.7833, 48.9235,
55.2362

■ 52.5080, 57.5825,
59.2473

■ 57.8032, 67.3587,
63.5232

Harmonies

Analogous

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



23.4038, 15.8262, 60.6436



28.7980, 15.8262, 33.8847



30.0817, 15.8262, 13.2801

Triad

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



28.7980, 15.8262, 33.8847



13.5904, 15.8262, 0.7208



7.4608, 15.8262, 46.9693

Complementary

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



28.7980, 15.8262, 33.8847



21.5084, 38.5648, 14.4955

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.



6.0985, 15.8262, 21.8993



28.7980, 15.8262, 33.8847



8.9554, 15.8262, 1.8930

Square

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



28.7980, 15.8262, 33.8847



20.0830, 15.8262, 1.0681



6.5591, 15.8262, 7.1880



10.9247, 15.8262, 71.1455

Rectangle

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



28.7980, 15.8262, 33.8847



28.1854, 15.8262, 5.9013



6.5591, 15.8262, 7.1880



6.7919, 15.8262, 37.8909

Sweetspot

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



28.7985, 15.8270, 33.8850



72.4761, 63.9240, 86.8234



14.1040, 7.8783, 50.0678



15.5488, 13.3835, 18.7003



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.



28.7985, 15.8270, 33.8850



48.8219, 24.6088, 54.2966



24.3721, 14.0564, 10.5759



9.8318, 9.6570, 11.5035



17.5773, 8.6621, 18.8655



0.7122, 0.3488, 0.8636

Inverse Universe

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



28.7985, 15.8270, 33.8850



48.8219, 24.6088, 54.2966



25.7298, 40.2534, 36.7252



9.8318, 9.6570, 11.5035



17.5773, 8.6621, 18.8655



0.7122, 0.3488, 0.8636

Previews

White Background



This preview shows how the XYZ color 28.7980, 15.8262, 33.8847 looks on a white background.

Color Contrast Check

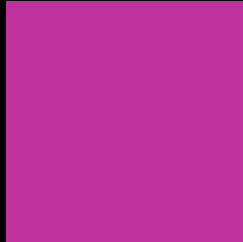
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7980, 15.8262, 33.8847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

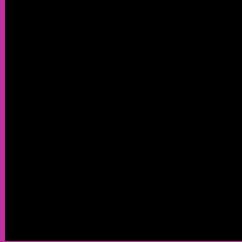
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7980, 15.8262, 33.8847

Background



This preview shows how black text looks on a background with the XYZ color 28.7980, 15.8262, 33.8847.



This preview shows how white text looks on a background with the XYZ color 28.7980, 15.8262,

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

28.7980, 15.8262, 33.8847

Protanopia

18.4276, 16.1735, 60.5431

Deuteranopia

16.4478, 16.1206, 31.0989



Tritanopia

23.7312, 15.8017, 9.3887

Trichromacy



Original Color

28.7980, 15.8262, 33.8847



Protanomaly

18.7778, 13.6787, 49.7947



Deuteranomaly

19.0710, 14.3477, 31.9012



Tritanomaly

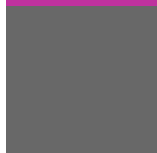
25.1485, 15.5439, 15.8622

Monochromacy



Original Color

28.7980, 15.8262, 33.8847



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

16.9618, 13.0301, 20.6899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7980, 15.8262, 33.8847 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(191, 50, 158)` looks like.

```
.text, #text, p{  
    color:rgb(191, 50, 158)  
}
```

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(191, 50, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 50, 158) }
```

Border

The CSS property to change the border of an element to XYZ 28.7980, 15.8262, 33.8847 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(191, 50, 158) }
```


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

```
.border{ border-color:rgb(191, 50, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 50, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 50, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 50, 158);  
box-shadow:4px 4px 4px 4px rgb(191, 50,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7980, 15.8262, 33.8847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 50, 158) }
```

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

```
.background{ background-color: rgb(191, 50,  
158) }
```

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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