

Converting Colors

XYZ(29.7259, 18.7346, 33.6531)

Have a look what the booklet for
XYZ(29.7259, 18.7346, 33.6531)
contains.

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Color

**XYZ(29.7830, 18.8111,
33.5137)**

Conversions

Conversions Part 1

Format	Color
Hex	BD4F9C
RGB	189, 79, 156
RGB Percent	74%, 31%, 61%
CMY	0.2588, 0.6902, 0.3882
CMYK	0.00, 0.58, 0.17, 0.26
HSL	318°, 45%, 53%
HSV	318°, 58%, 74%
XYZ	29.7830, 18.8111, 33.5137
YIQ	120.6680, 40.8430, 47.2670

Conversions

Conversions Part 2

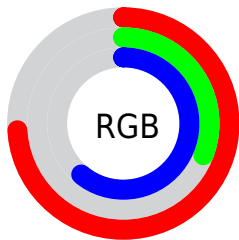
Format	Color
R_{YB}	189, 79, 156
Decimal	12406684
CIE _{Lab}	50.47, 53.12, -20.44
CIE _{LCh}	50, 56.918, 338.953
Yxy	18.8111, 0.3627, 0.2291
Android (android.graphics.Color)	4290596764 (0xFFBD4F9C)
YUV	120.6680, 17.4187, 59.9272
Hunter-Lab	43.3718, 46.6738, -15.4536

Details

The XYZ color **29.7830, 18.8111, 33.5137** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **24.3476, 39.2279, 21.6194**, and the grayscale version is **18.0042, 18.9418, 20.6276**.

A 20% lighter version of the original color is **58.8568, 41.4347, 66.5236**, and **12.4555, 6.4722, 13.9574** is the 20% darker color. If you saturate the color by 10%, you get **28.1395, 16.2744, 30.6520**, and if you desaturate by 10%, it is **31.8376, 22.1336, 36.6234**.

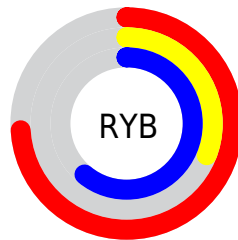
Distribution



Red (74%)

Green (31%)

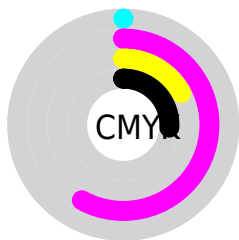
Blue (61%)



Red (74%)

Yellow (31%)

Blue (61%)

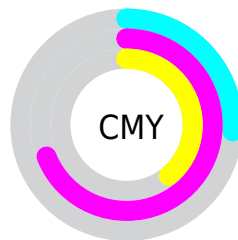


Cyan (0%)

Magenta (58%)

Yellow (17%)

Black (26%)



Cyan (26%)


Magenta (69%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7830, 18.8111, 33.5137 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 29.7830, 18.8111, 33.5137 by changing the saturation by 10% instead.

 29.7830, 18.8111,
33.5137


 29.7830, 18.8111,
33.5137


292.8197,
245.4039, 332.6609

 19.8212, 11.5339,
22.2459

 58.7078, 41.4147,
66.3019

 12.3726, 6.4271,
13.8377


 78.4015, 57.5098,
88.6595


 7.0720, 3.1065,
7.8704


 102.0700, 77.3130,
115.5507

 3.5539, 1.1876,
3.9255

 130.0784,
101.2086, 147.3942

 1.4530, 0.0515,
1.5846

 162.7922,
129.5812, 184.6084

 0.2935, 0.0000,
0.2798

200.5768,

 0.0000, 0.0000,

162.8150, 227.6119

0.0000

243.7975,
201.2944, 276.8232

■ 29.7830, 18.8111,
33.5137

■ 29.7830, 18.8111,
33.5137

■ 28.1395, 16.2744,
30.6520

■ 31.8376, 22.1336,
36.6234

■ 26.8711, 14.4529,
28.0242

■ 34.3317, 26.2990,
39.9915

■ 25.9386, 13.2682,
25.6161

■ 37.2931, 31.3621,
43.6289

■ 25.2791, 12.5951,
23.4049

■ 40.7468, 37.3725,
47.5453

■ 25.1717, 12.4930,
23.0215

■ 44.7159, 44.3760,
51.7497

■ 49.2220, 52.4155,
56.2509

■ 54.2856, 61.5313,
61.0568

■ 59.9260, 71.7615,
66.1753

■ 66.1615, 83.1426,
71.6138

Harmonies

Analogous

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



25.4506, 18.8111, 54.5630



29.7830, 18.8111, 33.5137



30.6070, 18.8111, 16.0901

Triad

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



29.7830, 18.8111, 33.5137



16.2717, 18.8111, 2.7069



10.8067, 18.8111, 46.2841

Complementary

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



29.7830, 18.8111, 33.5137



24.3476, 39.2279, 21.6194

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.



9.2835, 18.8111, 25.6084



29.7830, 18.8111, 33.5137



11.9818, 18.8111, 4.7353

Square

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



29.7830, 18.8111, 33.5137



21.9860, 18.8111, 3.1620



9.6640, 18.8111, 11.3605



14.3189, 18.8111, 64.2089

Rectangle

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



29.7830, 18.8111, 33.5137



28.9189, 18.8111, 8.9755



9.6640, 18.8111, 11.3605



10.0819, 18.8111, 39.0935

Sweetspot

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



29.7836, 18.8120, 33.5141



73.5961, 68.0194, 85.8286



18.6644, 12.7120, 49.6143



15.5407, 14.1263, 18.1440



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.7836, 18.8120, 33.5141



49.6672, 28.0673, 53.4800



26.1320, 17.3514, 14.2850



9.8047, 9.6462, 11.3605



16.9712, 8.4196, 15.6739



0.6924, 0.3408, 0.7593

Inverse Universe

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



29.7836, 18.8120, 33.5141



49.6672, 28.0673, 53.4800



28.3978, 40.8480, 42.9477



9.8047, 9.6462, 11.3605



16.9712, 8.4196, 15.6739



0.6924, 0.3408, 0.7593

Previews

White Background



This preview shows how the XYZ color 29.7830, 18.8111, 33.5137 looks on a white background.

Color Contrast Check

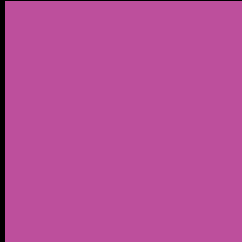
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7830, 18.8111, 33.5137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

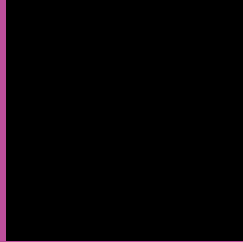
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7830, 18.8111, 33.5137

Background



This preview shows how black text looks on a background with the XYZ color 29.7830, 18.8111, 33.5137.



This preview shows how white text looks on a background with the XYZ color 29.7830, 18.8111,

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

29.7830, 18.8111, 33.5137

Protanopia

20.2836, 19.2256, 49.0962

Deuteranopia

19.4547, 19.0104, 31.4982



Tritanopia

25.6949, 18.7968, 14.0783

Trichromacy



Original Color

29.7830, 18.8111, 33.5137



Protanomaly

21.8941, 17.7416, 42.8280



Deuteranomaly

22.1194, 18.0969, 32.0330



Tritanomaly

26.8875, 18.6498, 19.9519

Monochromacy



Original Color

29.7830, 18.8111, 33.5137



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.3112, 18.1403, 24.9325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7830, 18.8111, 33.5137 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(189, 79, 156)` looks like.

```
.text, #text, p{  
    color:rgb(189, 79, 156)  
}
```

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(189, 79, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 79, 156) }
```

Border

The CSS property to change the border of an element to XYZ 29.7830, 18.8111, 33.5137 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(189, 79, 156) }
```


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

```
.border{ border-color:rgb(189, 79, 156) }
```

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

Here you see how a box with a 4 pixel rgb(189, 79, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 79, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 79, 156);  
box-shadow:4px 4px 4px 4px rgb(189, 79,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7830, 18.8111, 33.5137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 79, 156) }
```

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

```
.background{ background-color: rgb(189, 79,  
156) }
```

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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