

Converting Colors

XYZ(28.3010, 18.3573, 31.4152)

Have a look what the booklet for
XYZ(28.3010, 18.3573, 31.4152)
contains.

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Color

**XYZ(28.2955, 18.3096,
31.3209)**

Conversions

Conversions Part 1

Format	Color
Hex	B85197
RGB	184, 81, 151
RGB Percent	72%, 32%, 59%
CMY	0.2784, 0.6823, 0.4078
CMYK	0.00, 0.56, 0.18, 0.28
HSL	319°, 42%, 52%
HSV	319°, 56%, 72%
XYZ	28.2955, 18.3096, 31.3209
YIQ	119.7770, 38.9180, 43.6060

Conversions

Conversions Part 2

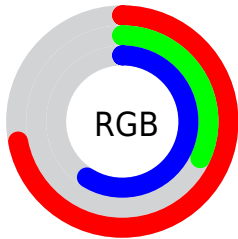
Format	Color
R_{YB}	184, 81, 151
Decimal	12079511
CIE _{Lab}	49.87, 49.94, -18.46
CIE _{LCh}	50, 53.240, 339.717
Yxy	18.3096, 0.3631, 0.2350
Android (android.graphics.Color)	4290269591 (0xFFB85197)
YUV	119.7770, 15.3929, 56.3236
Hunter-Lab	42.7897, 43.1544, -13.4459

Details

The XYZ color **28.2955, 18.3096, 31.3209** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **23.5720, 37.2458, 21.8681**, and the grayscale version is **17.7259, 18.6490, 20.3088**.

A 20% lighter version of the original color is **56.3014, 40.6130, 62.6293**, and **11.5290, 6.1626, 12.6384** is the 20% darker color. If you saturate the color by 10%, you get **26.6420, 15.7495, 28.4663**, and if you desaturate by 10%, it is **30.3446, 21.6219, 34.4258**.

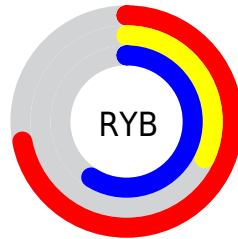
Distribution



Red (72%)

Green (32%)

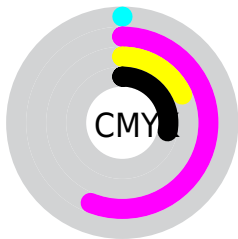
Blue (59%)



Red (72%)

Yellow (32%)

Blue (59%)

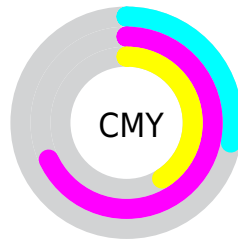


Cyan (0%)

Magenta (56%)

Yellow (18%)

Black (28%)



Cyan (28%)


Magenta (68%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2955, 18.3096, 31.3209 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 28.2955, 18.3096, 31.3209 by changing the saturation by 10% instead.

 28.2955, 18.3096,
31.3209


 28.2955, 18.3096,
31.3209


285.9308,
242.6104, 322.4109


 18.6901, 11.1725,
20.5828


 56.3612, 40.5642,
62.8304

 11.5493, 6.1830,
12.6311


 75.5523, 56.4504,
84.4390


 6.5076, 2.9567,
7.0473


 98.6693, 76.0219,
110.5080

 3.1997, 1.1091,
3.4128

 126.0776, 99.6628,
141.4562

 1.2602, 0.0000,
1.3091

 158.1425,
127.7578, 177.7021

 0.1531, 0.0000,
0.0692

195.2295,

 0.0000, 0.0000,

160.6911, 219.6641

0.0000

237.7038,
198.8472, 267.7608

■ 28.2955, 18.3096,
31.3209

■ 28.2955, 18.3096,
31.3209

■ 26.6420, 15.7495,
28.4663

■ 30.3446, 21.6219,
34.4258

■ 25.3512, 13.8773,
25.8489

■ 32.8150, 25.7384,
37.7909

■ 24.3877, 12.6228,
23.4553

■ 35.7325, 30.7096,
41.4264

■ 23.7058, 11.8944,
21.2684

■ 39.1200, 36.5809,
45.3416

■ 23.4719, 11.6722,
20.4333

■ 42.9990, 43.3946,
49.5453

■ 47.3894, 51.1904,
54.0457

■ 52.3102, 60.0056,
58.8506

■ 57.7794, 69.8755,
63.9674

■ 63.8139, 80.8338,
69.4034

Harmonies

Analogous

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



24.4379, 18.3096, 50.2151



28.2955, 18.3096, 31.3209



28.9457, 18.3096, 15.5685

Triad

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



28.2955, 18.3096, 31.3209



15.8022, 18.3096, 3.1032



10.9061, 18.3096, 43.7546

Complementary

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



28.2955, 18.3096, 31.3209



23.5720, 37.2458, 21.8681

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.



9.4268, 18.3096, 25.0524



28.2955, 18.3096, 31.3209



11.8667, 18.3096, 5.2113

Square

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



28.2955, 18.3096, 31.3209



21.0220, 18.3096, 3.5062



9.7403, 18.3096, 11.7104



14.2247, 18.3096, 59.4946

Rectangle

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



28.2955, 18.3096, 31.3209



27.3651, 18.3096, 9.0171



9.7403, 18.3096, 11.7104



10.2098, 18.3096, 37.3147

Sweetspot

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



28.2961, 18.3105, 31.3213



70.0616, 64.8235, 81.2351



18.4848, 12.8984, 46.8630



14.8310, 13.4999, 17.2029



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.



28.2961, 18.3105, 31.3213



47.7400, 27.7207, 50.5490



25.0050, 16.9940, 13.9905



9.2552, 9.1124, 10.6912



16.2099, 8.0577, 14.2580



0.5983, 0.2948, 0.6443

Inverse Universe

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



28.2961, 18.3105, 31.3213



47.7400, 27.7207, 50.5490



27.3367, 38.7517, 41.6927



9.2552, 9.1124, 10.6912



16.2099, 8.0577, 14.2580



0.5983, 0.2948, 0.6443

Previews

White Background



This preview shows how the XYZ color 28.2955, 18.3096, 31.3209 looks on a white background.

Color Contrast Check

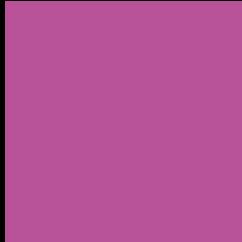
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2955, 18.3096, 31.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

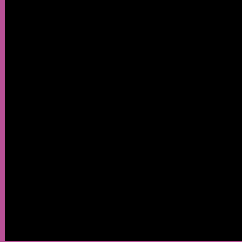
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2955, 18.3096, 31.3209

Background



This preview shows how black text looks on a background with the XYZ color 28.2955, 18.3096, 31.3209.



This preview shows how white text looks on a background with the XYZ color 28.2955, 18.3096,

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

28.2955, 18.3096, 31.3209

Protanopia

19.4342, 18.5336, 44.6725

Deuteranopia

18.9433, 18.6185, 29.3834



Tritanopia

24.8050, 18.3325, 14.2878

Trichromacy



Original Color

28.2955, 18.3096, 31.3209

Protanomaly

21.0715, 17.3949, 39.2928

Deuteranomaly

21.3721, 17.7580, 29.9050

Tritanomaly

25.9582, 18.3004, 19.6169

Monochromacy



Original Color

28.2955, 18.3096, 31.3209

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.5785, 17.7864, 23.8212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2955, 18.3096, 31.3209 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(184, 81, 151)` looks like.

```
.text, #text, p{  
    color:rgb(184, 81, 151)  
}
```

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(184, 81, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 81, 151) }
```

Border

The CSS property to change the border of an element to XYZ 28.2955, 18.3096, 31.3209 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(184, 81, 151) }
```


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

```
.border{ border-color:rgb(184, 81, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 81, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 81, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 81, 151);  
box-shadow:4px 4px 4px 4px rgb(184, 81,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2955, 18.3096, 31.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 81, 151) }
```

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

```
.background{ background-color: rgb(184, 81,  
151) }
```

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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