

Converting Colors

XYZ(30.2891, 16.4954, 31.4581)

Have a look what the booklet for
XYZ(30.2891, 16.4954, 31.4581)
contains.

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Color

**XYZ(30.2776, 16.5230,
31.2992)**

Conversions

Conversions Part 1

Format	Color
Hex	C73098
RGB	199, 48, 152
RGB Percent	78%, 19%, 60%
CMY	0.2196, 0.8117, 0.4039
CMYK	0.00, 0.76, 0.24, 0.22
HSL	319°, 61%, 48%
HSV	319°, 76%, 78%
XYZ	30.2776, 16.5230, 31.2992
YIQ	105.0050, 56.6120, 64.3560

Conversions

Conversions Part 2

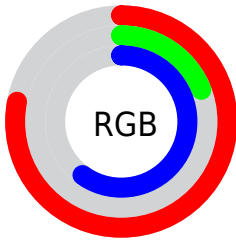
Format	Color
R_{YB}	199, 48, 152
Decimal	13054104
CIE _{Lab}	47.65, 67.11, -22.25
CIE _{LCh}	48, 70.703, 341.660
Yxy	16.5230, 0.3877, 0.2116
Android (android.graphics.Color)	4291244184 (0xFFC73098)
YUV	105.0050, 23.1685, 82.4336
Hunter-Lab	40.6485, 61.8234, -17.1992

Details

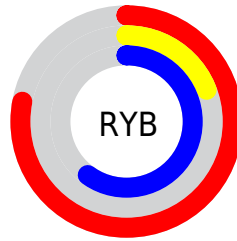
The XYZ color **30.2776, 16.5230, 31.2992** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **23.7089, 42.3020, 17.7443**, and the grayscale version is **13.3584, 14.0540, 15.3049**.

A 20% lighter version of the original color is **57.8492, 36.6535, 62.4184**, and **13.3335, 6.6023, 12.8835** is the 20% darker color. If you saturate the color by 10%, you get **29.1443, 15.0472, 28.4834**, and if you desaturate by 10%, it is **31.8033, 18.7408, 34.3768**.

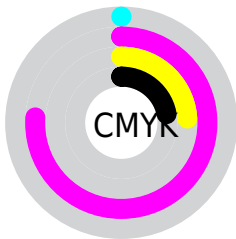
Distribution



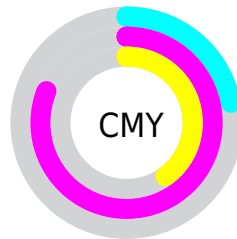
- Red (78%)
- Green (19%)
- Blue (60%)



- Red (78%)
- Yellow (19%)
- Blue (60%)



- Cyan (0%)
- Magenta (76%)
- Yellow (24%)
- Black (22%)





- Cyan (22%)
- Magenta (81%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2776, 16.5230, 31.2992 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 30.2776, 16.5230, 31.2992 by changing the saturation by 10% instead.

 30.2776, 16.5230,
31.2992


 30.2776, 16.5230,
31.2992

295.0829,
232.4084, 322.3082


 20.1985, 9.8950,
20.5664


 59.4845, 37.5038,
62.7959


 12.6485, 5.3294,
12.6193

 79.3431, 52.6254,
84.3969


 7.2623, 2.4418,
7.0393


 103.1922, 71.3470,
110.4578

 3.6745, 0.8473,
3.4079

 131.3971, 94.0529,
141.3969

 1.5197, 0.0000,
1.3065

 164.3233,
121.1276, 177.6330

 0.3392, 0.0000,
0.0671

202.3361,

 0.0000, 0.0000,

152.9555, 219.5846

0.0000

245.8009,
189.9210, 267.6701

■ 30.2776, 16.5230,
31.2992

■ 30.2776, 16.5230,
31.2992

■ 29.1443, 15.0472,
28.4834

■ 31.8033, 18.7408,
34.3768

■ 28.3474, 14.2024,
25.9083

■ 33.7634, 21.7848,
37.7319

■ 28.0726, 13.9499,
24.9010

■ 36.1963, 25.7306,
41.3791

■ 39.1353, 30.6444,
45.3314

■ 42.6108, 36.5863,
49.6007

■ 46.6506, 43.6114,
54.1982

■ 51.2806, 51.7709,
59.1342

■ 56.5251, 61.1128,
64.4185

■ 62.4069, 71.6823,
70.0603

Harmonies

Analogous

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



25.2361, 16.5230, 58.4771



30.2776, 16.5230, 31.2992



30.8483, 16.5230, 11.8387

Triad

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



30.2776, 16.5230, 31.2992



13.3765, 16.5230, 0.9031



8.2683, 16.5230, 52.4134

Complementary

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



30.2776, 16.5230, 31.2992



23.7089, 42.3020, 17.7443

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.



6.5626, 16.5230, 25.9727



30.2776, 16.5230, 31.2992



8.9378, 16.5230, 2.5106

Square

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



30.2776, 16.5230, 31.2992



19.8430, 16.5230, 1.0548



6.7694, 16.5230, 9.1179



12.1858, 16.5230, 75.2920

Rectangle

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



30.2776, 16.5230, 31.2992



28.4712, 16.5230, 5.2160



6.7694, 16.5230, 9.1179



7.4715, 16.5230, 43.1080

Sweetspot

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



30.2781, 16.5239, 31.2995



76.3076, 66.9974, 88.8344



15.9115, 8.5814, 54.8507



15.8119, 13.4402, 18.4022



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.



30.2781, 16.5239, 31.2995



50.0685, 25.2801, 46.9139



25.9932, 14.8099, 8.7355



10.9371, 10.7582, 12.6522



18.0922, 8.9864, 16.2271



0.8882, 0.4381, 0.9343

Inverse Universe

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



30.2781, 16.5239, 31.2995



50.0685, 25.2801, 46.9139



28.7857, 44.3327, 44.4787



10.9371, 10.7582, 12.6522



18.0922, 8.9864, 16.2271



0.8882, 0.4381, 0.9343

Previews

White Background



This preview shows how the XYZ color 30.2776, 16.5230, 31.2992 looks on a white background.

Color Contrast Check

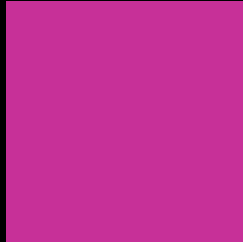
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2776, 16.5230, 31.2992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

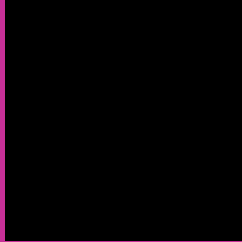
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.2776, 16.5230, 31.2992

Background



This preview shows how black text looks on a background with the XYZ color 30.2776, 16.5230, 31.2992.



This preview shows how white text looks on a background with the XYZ color 30.2776, 16.5230,

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

30.2776, 16.5230, 31.2992

Protanopia

18.8995, 16.9636, 57.5365

Deuteranopia

17.1349, 16.8532, 28.7354



Tritanopia

25.6492, 16.5080, 8.8557

Trichromacy



Original Color

30.2776, 16.5230, 31.2992

Protanomaly

19.5082, 14.2499, 46.5221

Deuteranomaly

19.9942, 15.0021, 29.4457

Tritanomaly

26.7819, 16.1566, 14.8037

Monochromacy



Original Color

30.2776, 16.5230, 31.2992

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.3306, 13.2348, 20.0535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2776, 16.5230, 31.2992 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(199, 48, 152)` looks like.

```
.text, #text, p{  
  color:rgb(199, 48, 152)  
}
```

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(199, 48, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 48, 152) }
```

Border

The CSS property to change the border of an element to XYZ 30.2776, 16.5230, 31.2992 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(199, 48, 152) }
```


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

```
.border{ border-color:rgb(199, 48, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 48, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 48, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 48, 152);  
box-shadow:4px 4px 4px 4px rgb(199, 48,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2776, 16.5230, 31.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 48, 152) }
```

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

```
.background{ background-color: rgb(199, 48,  
152) }
```

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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