

Converting Colors

XYZ(30.6800, 16.0500, 49.0579)

Have a look what the booklet for
XYZ(30.6800, 16.0500, 49.0579)
contains.

XYZ(30.6800, 16.0500, 49.0579)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.6800, 16.0500,
49.0579)**

Conversions

Conversions Part 1

Format	Color
Hex	BC2BBC
RGB	188, 43, 188
RGB Percent	74%, 17%, 74%
CMY	0.2627, 0.8313, 0.2627
CMYK	0.00, 0.77, 0.00, 0.26
HSL	300°, 63%, 45%
HSV	300°, 77%, 74%
XYZ	30.6800, 16.0500, 49.0579
YIQ	102.8850, 39.8750, 75.8350

Conversions

Conversions Part 2

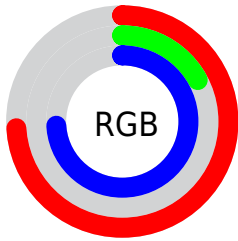
Format	Color
RYB	188, 43, 188
Decimal	12331964
CIELab	47.04, 71.26, -44.64
CIElCh	47, 84.086, 327.939
Yxy	16.0500, 0.3203, 0.1676
Android (android.graphics.Color)	4290522044 (0xFFBC2BBC)
YUV	102.8850, 41.9617, 74.6459
Hunter-Lab	40.0625, 66.5868, -44.5590

Details

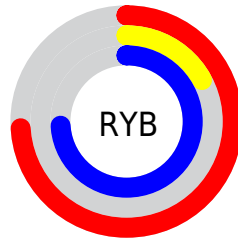
The XYZ color **30.6800, 16.0500, 49.0579** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **19.4163, 36.6552, 8.3382**, and the grayscale version is **12.7484, 13.4124, 14.6061**.

A 20% lighter version of the original color is **60.3469, 36.8571, 90.3197**, and **13.5090, 6.4671, 23.0905** is the 20% darker color. If you saturate the color by 10%, you get **30.1474, 14.9843, 48.8804**, and if you desaturate by 10%, it is **31.5287, 17.7468, 49.3410**.

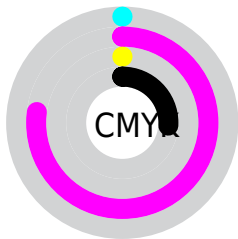
Distribution



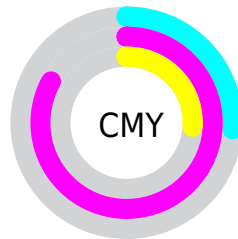
- Red (74%)
- Green (17%)
- Blue (74%)



- Red (74%)
- Yellow (17%)
- Blue (74%)



- Cyan (0%)
- Magenta (77%)
- Yellow (0%)
- Black (26%)





- Cyan (26%)
- Magenta (83%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6800, 16.0500, 49.0579 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 30.6800, 16.0500, 49.0579 by changing the saturation by 10% instead.

 30.6800, 16.0500,
49.0579


 30.6800, 16.0500,
49.0579


296.9146,
229.6366, 399.5992


 20.5059, 9.5595,
34.2995

 60.1152, 36.6850,
90.1593

 12.8737, 5.1079,
22.8445


 80.1070, 51.5983,
117.3394


 7.4181, 2.3107,
14.2745


 104.1021, 70.0880,
149.4971

 3.7735, 0.7794,
8.1709

 132.4659, 92.5386,
187.0510

 1.5748, 0.0000,
4.1152

 165.5637,
119.3343, 230.4197

 0.3759, 0.0000,
1.6887

 203.7608,

 0.0000, 0.0000,

150.8596, 280.0215

0.3530

247.4227,
187.4989, 336.2752

■ 0.0000, 0.0000,
0.0000

■ 30.6800, 16.0500,
49.0579

■ 30.6800, 16.0500,
49.0579

■ 30.1474, 14.9843,
48.8804

■ 31.5287, 17.7468,
49.3410

■ 29.8751, 14.4398,
48.7896

■ 32.7299, 20.1493,
49.7414

■ 29.8164, 14.3223,
48.7700

■ 34.3172, 23.3237,
50.2705

■ 36.3196, 27.3285,
50.9381

■ 38.7635, 32.2163,
51.7527

■ 41.6730, 38.0353,
52.7226

■ 45.0706, 44.8305,
53.8552

■ 48.9771, 52.6436,
55.1574

■ 53.4124, 61.5142,
56.6359

Harmonies

Analogous

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



22.8989, 16.0500, 83.3776



30.6800, 16.0500, 49.0579



34.2361, 16.0500, 18.9757

Triad

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



30.6800, 16.0500, 49.0579



15.7702, 16.0500, 0.0000



5.8522, 16.0500, 44.1990

Complementary

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



30.6800, 16.0500, 49.0579



19.4163, 36.6552, 8.3382

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.



5.0277, 16.0500, 16.0570



30.6800, 16.0500, 49.0579



9.5353, 16.0500, 0.4766

Square

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



30.6800, 16.0500, 49.0579



24.0753, 16.0500, 0.6881



6.1254, 16.0500, 3.5770



8.9046, 16.0500, 79.3107

Rectangle

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



30.6800, 16.0500, 49.0579



33.0849, 16.0500, 7.7237



6.1254, 16.0500, 3.5770



5.3588, 16.0500, 33.1809

Sweetspot

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



30.6806, 16.0507, 49.0582



72.1267, 62.1356, 94.4179



10.9380, 5.8730, 48.1347



15.1207, 12.5824, 20.1742



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.



30.6806, 16.0507, 49.0582



54.2398, 26.3619, 88.4550



24.7271, 13.6693, 17.7076



9.9300, 9.6963, 12.0204



20.3003, 9.7513, 33.2048



0.7952, 0.3820, 1.3007

Inverse Universe

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



30.6806, 16.0507, 49.0582



54.2398, 26.3619, 88.4550



22.1037, 37.7301, 22.4900



9.9300, 9.6963, 12.0204



20.3003, 9.7513, 33.2048



0.7952, 0.3820, 1.3007

Previews

White Background



This preview shows how the XYZ color 30.6800, 16.0500, 49.0579 looks on a white background.

Color Contrast Check

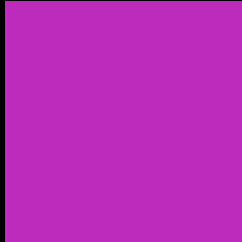
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6800, 16.0500, 49.0579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

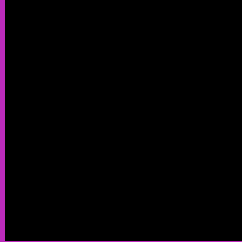
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.6800, 16.0500, 49.0579

Background



This preview shows how black text looks on a background with the XYZ color 30.6800, 16.0500, 49.0579.



This preview shows how white text looks on a background with the XYZ color 30.6800, 16.0500,

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

30.6800, 16.0500, 49.0579

Protanopia

19.6455, 16.4383, 77.0004

Deuteranopia

16.8105, 16.3392, 44.3872



Tritanopia

22.9102, 16.0863, 11.1300

Trichromacy



Original Color

30.6800, 16.0500, 49.0579



Protanomaly

17.8200, 12.4759, 65.7589



Deuteranomaly

19.1878, 13.9757, 45.9422



Tritanomaly

24.7613, 15.4132, 20.7388

Monochromacy



Original Color

30.6800, 16.0500, 49.0579



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

17.0770, 12.6744, 24.1006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6800, 16.0500, 49.0579 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(188, 43, 188)` looks like.

```
.text, #text, p{  
    color:rgb(188, 43, 188)  
}
```

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(188, 43, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 43, 188) }
```

Border

The CSS property to change the border of an element to XYZ 30.6800, 16.0500, 49.0579 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(188, 43, 188) }
```


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

```
.border{ border-color:rgb(188, 43, 188) }
```

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

Here you see how a box with a 4 pixel rgb(188, 43, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 43, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 43, 188);  
box-shadow:4px 4px 4px 4px rgb(188, 43,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6800, 16.0500, 49.0579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 43, 188) }
```

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

```
.background{ background-color: rgb(188, 43,  
188) }
```

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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