

Converting Colors

XYZ(30.2546, 17.9822, 36.3977)

Have a look what the booklet for
XYZ(30.2546, 17.9822, 36.3977)
contains.

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Color

**XYZ(30.2248, 17.9770,
36.5272)**

Conversions

Conversions Part 1

Format	Color
Hex	BF45A3
RGB	191, 69, 163
RGB Percent	75%, 27%, 64%
CMY	0.2510, 0.7294, 0.3608
CMYK	0.00, 0.64, 0.15, 0.25
HSL	314°, 49%, 51%
HSV	314°, 64%, 75%
XYZ	30.2248, 17.9770, 36.5272
YIQ	116.1940, 42.5380, 55.0980

Conversions

Conversions Part 2

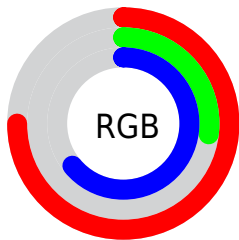
Format	Color
RYB	191, 69, 163
Decimal	12535203
CIELab	49.47, 59.09, -26.09
CIElCh	49, 64.594, 336.176
Yxy	17.9770, 0.3567, 0.2122
Android (android.graphics.Color)	4290725283 (0xFFBF45A3)
YUV	116.1940, 23.0754, 65.6049
Hunter-Lab	42.3993, 53.0469, -21.3991

Details

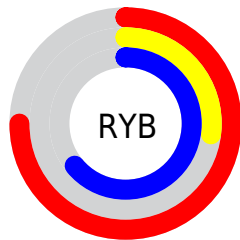
The XYZ color **30.2248, 17.9770, 36.5272** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **23.2436, 39.3904, 17.6890**, and the grayscale version is **16.5832, 17.4468, 18.9995**.

A 20% lighter version of the original color is **59.4128, 40.0532, 70.9293**, and **12.7008, 6.2160, 15.5693** is the 20% darker color. If you saturate the color by 10%, you get **28.8474, 15.8396, 34.1636**, and if you desaturate by 10%, it is **31.9951, 20.8777, 39.0892**.

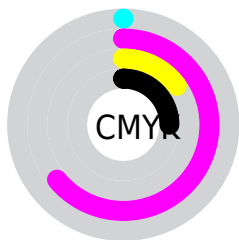
Distribution



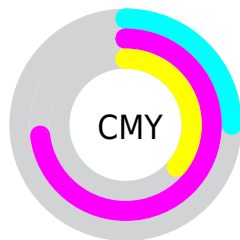
- Red (75%)
- Green (27%)
- Blue (64%)



- Red (75%)
- Yellow (27%)
- Blue (64%)



- Cyan (0%)
- Magenta (64%)
- Yellow (15%)
- Black (25%)





- Cyan (25%)
- Magenta (73%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2248, 17.9770, 36.5272 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 30.2248, 17.9770, 36.5272 by changing the saturation by 10% instead.


 30.2248, 17.9770,
36.5272


 30.2248, 17.9770,
36.5272


294.8420,
240.7414, 346.3659

 20.1582, 10.9335,
24.5487


 59.4017, 39.9981,
71.0232


 12.6190, 6.0221,
15.5252


 79.2427, 55.7445,
94.3778


 7.2419, 2.8585,
9.0381


 103.0726, 75.1607,
122.3615

 3.6615, 1.0583,
4.6689

 131.2566, 98.6309,
155.3929

 1.5125, 0.0000,
1.9990

 164.1602,
126.5398, 193.8905

 0.3343, 0.0000,
0.5547

202.1487,

 0.0000, 0.0000,

159.2715, 238.2728

0.0000

245.5875,
197.2106, 288.9584

■ 30.2248, 17.9770,
36.5272

■ 30.2248, 17.9770,
36.5272

■ 28.8474, 15.8396,
34.1636

■ 31.9951, 20.8777,
39.0892

■ 27.8231, 14.3872,
31.9841

■ 34.1894, 24.6047,
41.8603

■ 27.1068, 13.5294,
29.9732

■ 36.8377, 29.2174,
44.8511

■ 26.7651, 13.1881,
28.8053

■ 39.9666, 34.7690,
48.0714

■ 43.6008, 41.3086,
51.5298

■ 47.7633, 48.8817,
55.2347

■ 52.4753, 57.5311,
59.1939

■ 57.7573, 67.2972,
63.4147

■ 63.6285, 78.2180,
67.9040

Harmonies

Analogous

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



24.9904, 17.9770, 61.1591



30.2248, 17.9770, 36.5272



31.6082, 17.9770, 16.1769

Triad

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



30.2248, 17.9770, 36.5272



15.8552, 17.9770, 1.5678



9.2574, 17.9770, 46.8634

Complementary

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



30.2248, 17.9770, 36.5272



23.2436, 39.3904, 17.6890

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.



7.8745, 17.9770, 23.4160



30.2248, 17.9770, 36.5272



11.0544, 17.9770, 3.0492

Square

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



30.2248, 17.9770, 36.5272



22.2779, 17.9770, 2.1178



8.4436, 17.9770, 8.8959



12.7717, 17.9770, 69.2150

Rectangle

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



30.2248, 17.9770, 36.5272



29.9282, 17.9770, 8.1775



8.4436, 17.9770, 8.8959



8.5714, 17.9770, 38.4543

Sweetspot

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



30.2254, 17.9779, 36.5275



74.4399, 67.3993, 88.8726



16.2976, 10.4752, 50.4534



15.9434, 14.0770, 19.1269



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.



30.2254, 17.9779, 36.5275



50.7945, 27.0955, 59.4507



26.0915, 16.3243, 14.7587



9.8337, 9.6578, 11.5134



17.6215, 8.6798, 19.0982



0.7136, 0.3493, 0.8711

Inverse Universe

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



30.2254, 17.9779, 36.5275



50.7945, 27.0955, 59.4507



27.1233, 40.9423, 38.1193



9.8337, 9.6578, 11.5134



17.6215, 8.6798, 19.0982



0.7136, 0.3493, 0.8711

Previews

White Background



This preview shows how the XYZ color 30.2248, 17.9770, 36.5272 looks on a white background.

Color Contrast Check

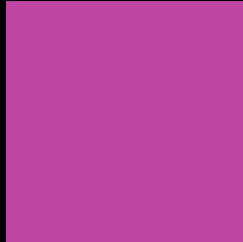
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2248, 17.9770, 36.5272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

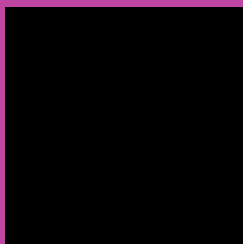
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2248, 17.9770, 36.5272

Background



This preview shows how black text looks on a background with the XYZ color 30.2248, 17.9770, 36.5272.



This preview shows how white text looks on a background with the XYZ color 30.2248, 17.9770,

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

30.2248, 17.9770, 36.5272

Protanopia

20.1530, 18.2724, 57.7231

Deuteranopia

18.5528, 18.1423, 33.9765



Tritanopia

25.2773, 17.9779, 12.7275

Trichromacy



Original Color

30.2248, 17.9770, 36.5272

Protanomaly

21.3634, 16.4608, 49.0650

Deuteranomaly

21.3673, 16.9159, 34.9398

Tritanomaly

26.7657, 17.7816, 19.4742

Monochromacy



Original Color

30.2248, 17.9770, 36.5272

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.0232, 16.4568, 24.3114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2248, 17.9770, 36.5272 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, 69, 163)` looks like.

```
.text, #text, p{  
    color:rgb(191, 69, 163)  
}
```

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, 69, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 69, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.2248, 17.9770, 36.5272 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, 69, 163) }
```


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

```
.border{ border-color:rgb(191, 69, 163) }
```

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

Here you see how a box with a 4 pixel rgb(191, 69, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 69, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 69, 163);  
box-shadow:4px 4px 4px 4px rgb(191, 69,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2248, 17.9770, 36.5272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 69, 163) }
```

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

```
.background{ background-color: rgb(191, 69,  
163) }
```

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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