

Converting Colors

$Y_{xy}(17.0424, 0.3560, 0.2044)$

Have a look what the booklet for
Yxy(17.0424, 0.3560, 0.2044)
contains.

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Color

Yxy(16.9650, 0.3549, 0.2034)

Conversions

Conversions Part 1

Format	Color
Hex	BE3DA4
RGB	190, 61, 164
RGB Percent	75%, 24%, 64%
CMY	0.2550, 0.7607, 0.3568
CMYK	0.00, 0.68, 0.14, 0.25
HSL	312°, 51%, 49%
HSV	312°, 68%, 75%
XYZ	29.6012, 16.9650, 36.8409
YIQ	111.3130, 43.8210, 59.3810

Conversions

Conversions Part 2

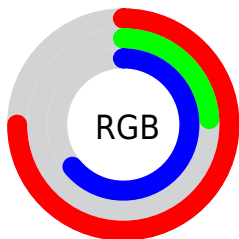
Format	Color
RYB	190, 61, 164
Decimal	12467620
CIELab	48.22, 62.12, -28.65
CIELCh	48, 68.412, 335.244
Yxy	16.9650, 0.3549, 0.2034
Android (android.graphics.Color)	4290657700 (0xFFBE3DA4)
YUV	111.3130, 25.9747, 69.0085
Hunter-Lab	41.1886, 56.2033, -24.1996

Details

The Yxy color **16.9650, 0.3549, 0.2034** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **38.4983, 0.2908, 0.5076**, and the grayscale version is **15.9092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2111, 0.3475, 0.2276**, and **6.1564, 0.3640, 0.1779** is the 20% darker color. If you saturate the color by 10%, you get **15.1471, 0.3628, 0.1934**, and if you desaturate by 10%, it is **19.5069, 0.3471, 0.2174**.

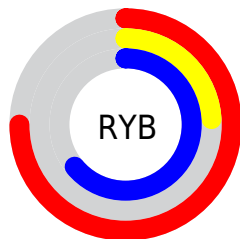
Distribution



Red (75%)

Green (24%)

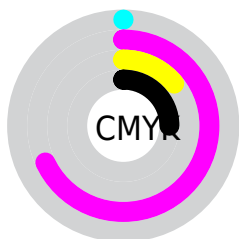
Blue (64%)



Red (75%)

Yellow (24%)

Blue (64%)

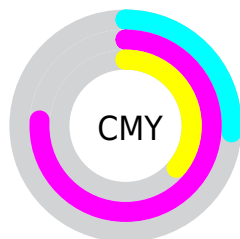


Cyan (0%)

Magenta (68%)

Yellow (14%)

Black (25%)



Cyan (26%)


Magenta (76%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9650, 0.3549, 0.2034 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 Yxy color 16.9650, 0.3549, 0.2034 by changing the saturation by 10% instead.


 16.9650, 0.3549,
0.2034


 16.9650, 0.3549,
0.2034


234.9706, 0.3338,
0.2686


 10.2095, 0.3599,
0.1867


 38.2656, 0.3473,
0.2275


 5.5381, 0.3662,
0.1653


 53.5795, 0.3445,
0.2364


 2.5663, 0.3738,
0.1370


 72.5150, 0.3420,
0.2440

 0.9098, 0.3828,
0.0992

 95.4566, 0.3399,
0.2504

 0.0000, 0.4114,
0.0000

 122.7885, 0.3381,
0.2559

 0.0000, 0.3220,
0.0000

154.8952, 0.3365,

 0.0000, 0.0000,

0.2607

0.0000

192.1611, 0.3351,
0.2649

■ 16.9650, 0.3549,
0.2034

■ 16.9650, 0.3549,
0.2034

■ 15.1471, 0.3628,
0.1934

■ 19.5069, 0.3471,
0.2174

■ 13.9709, 0.3706,
0.1878

■ 22.8387, 0.3397,
0.2343

■ 13.3164, 0.3780,
0.1865

■ 27.0214, 0.3328,
0.2533

■ 13.2020, 0.3796,
0.1865

■ 32.1094, 0.3265,
0.2734

■ 38.1528, 0.3209,
0.2938

■ 45.1977, 0.3161,
0.3138

■ 53.2873, 0.3119,
0.3330

■ 62.4625, 0.3083,
0.3512

■ 72.7616, 0.3052,
0.3681

Harmonies

Analogous

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



16.9650, 0.2314, 0.1632



16.9650, 0.3549, 0.2034



16.9650, 0.4900, 0.2664

Triad

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



16.9650, 0.3549, 0.2034



16.9650, 0.4552, 0.5130



16.9650, 0.1150, 0.2380

Complementary

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



16.9650, 0.3549, 0.2034



38.4983, 0.2908, 0.5076

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.



16.9650, 0.1513, 0.3716



16.9650, 0.3549, 0.2034



16.9650, 0.3460, 0.5776

Square

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



16.9650, 0.3549, 0.2034



16.9650, 0.5391, 0.4221



16.9650, 0.2350, 0.5300



16.9650, 0.1175, 0.1716

Rectangle

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



16.9650, 0.3549, 0.2034



16.9650, 0.5482, 0.3149



16.9650, 0.2350, 0.5300



16.9650, 0.1222, 0.2746

Sweetspot

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



16.9658, 0.3549, 0.2034



66.3083, 0.3222, 0.2888



9.0752, 0.2021, 0.1233



13.8636, 0.3238, 0.2830



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



16.9658, 0.3549, 0.2034



26.3757, 0.3663, 0.1903



15.1997, 0.4666, 0.2816



9.6625, 0.3167, 0.3109



8.7924, 0.3787, 0.1860



0.3529, 0.3624, 0.1770

Inverse Universe

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



16.9658, 0.3549, 0.2034



26.3757, 0.3663, 0.1903



40.0542, 0.2549, 0.3936



9.6625, 0.3167, 0.3109



8.7924, 0.3787, 0.1860



0.3529, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 16.9650, 0.3549, 0.2034 looks on a white background.

Color Contrast Check

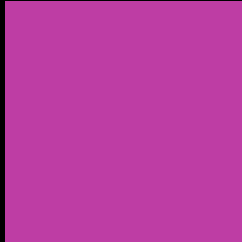
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Xy color 16.9650, 0.3549, 0.2034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

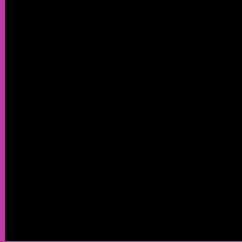
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.9650, 0.3549, 0.2034

Background



This preview shows how black text looks on a background with the Yxy color 16.9650, 0.3549, 0.2034.



This preview shows how white text looks on a background with the Yxy color 16.9650, 0.3549, 0.2034.

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

16.9650, 0.3549, 0.2034

Protanopia

17.3954, 0.1991, 0.1769

Deuteranopia

17.3185, 0.2560, 0.2517



Tritanopia

16.9751, 0.4622, 0.3213

Trichromacy



Original Color

16.9650, 0.3549, 0.2034

Protanomaly

15.1677, 0.2340, 0.1752

Deuteranomaly

15.8385, 0.2866, 0.2232

Tritanomaly

16.7322, 0.4246, 0.2741

Monochromacy



Original Color

16.9650, 0.3549, 0.2034

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.0159, 0.3302, 0.2643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9650, 0.3549, 0.2034 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(190, 61, 164)` looks like.

```
.text, #text, p{  
    color:rgb(190, 61, 164)  
}
```

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(190, 61, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 61, 164) }
```

Border

The CSS property to change the border of an element to Yxy 16.9650, 0.3549, 0.2034 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(190, 61, 164) }
```

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

```
.border{ border-color:rgb(190, 61, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 61, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 61, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 61, 164);  
box-shadow:4px 4px 4px 4px rgb(190, 61,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9650, 0.3549, 0.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 61, 164) }
```

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

```
.background{ background-color: rgb(190, 61,  
164) }
```

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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