

Converting Colors

$Y_{xy}(16.4140, 0.3630, 0.2268)$

Have a look what the booklet for
Yxy(16.4140, 0.3630, 0.2268)
contains.

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Color

Yxy(16.3566, 0.3626, 0.2259)

Conversions

Conversions Part 1

Format	Color
Hex	B34894
RGB	179, 72, 148
RGB Percent	70%, 28%, 58%
CMY	0.2980, 0.7177, 0.4196
CMYK	0.00, 0.60, 0.17, 0.30
HSL	317°, 43%, 49%
HSV	317°, 60%, 70%
XYZ	26.2546, 16.3566, 29.7952
YIQ	112.6570, 39.3760, 46.3200

Conversions

Conversions Part 2

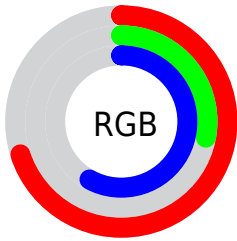
Format	Color
RYB	179, 72, 148
Decimal	11749524
CIELab	47.44, 52.19, -20.47
CIELCh	47, 56.057, 338.585
Yxy	16.3566, 0.3626, 0.2259
Android (android.graphics.Color)	4289939604 (0xFFB34894)
YUV	112.6570, 17.4241, 58.1828
Hunter-Lab	40.4433, 45.1010, -15.3696

Details

The Yxy color **16.3566, 0.3626, 0.2259** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **34.5989, 0.2862, 0.4661**, and the grayscale version is **16.3459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1905, 0.3525, 0.2471**, and **5.2477, 0.3796, 0.1913** is the 20% darker color. If you saturate the color by 10%, you get **14.2097, 0.3743, 0.2139**, and if you desaturate by 10%, it is **19.1861, 0.3516, 0.2409**.

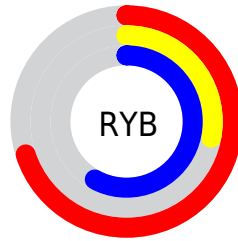
Distribution



Red (70%)

Green (28%)

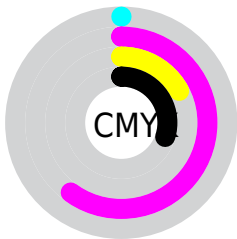
Blue (58%)



Red (70%)

Yellow (28%)

Blue (58%)

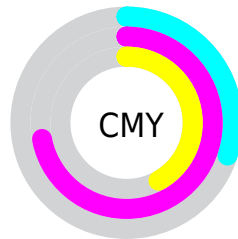


Cyan (0%)

Magenta (60%)

Yellow (17%)

Black (30%)



Cyan (30%)


Magenta (72%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3566, 0.3626, 0.2259 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 16.3566, 0.3626, 0.2259 by changing the saturation by 10% instead.


 16.3566, 0.3626,
0.2259


 16.3566, 0.3626,
0.2259


231.4368, 0.3357,
0.2813


 9.7768, 0.3699,
0.2109


 37.2162, 0.3524,
0.2469


 5.2512, 0.3796,
0.1910


 52.2648, 0.3487,
0.2545


 2.3954, 0.3931,
0.1636

 70.9051, 0.3456,
0.2609

 0.8235, 0.4125,
0.1242

 93.5216, 0.3430,
0.2662

 0.0000, 0.4730,
0.0000

 120.4987, 0.3408,
0.2708

 0.0000, 0.0000,
0.0000

152.2206, 0.3389,

0.2748

189.0719, 0.3372,
0.2782

■ 16.3566, 0.3626,
0.2259

■ 16.3566, 0.3626,
0.2259

■ 14.2097, 0.3743,
0.2139

■ 19.1861, 0.3516,
0.2409

■ 12.6827, 0.3864,
0.2060

■ 22.7491, 0.3417,
0.2579

■ 11.7051, 0.3984,
0.2027

■ 27.0942, 0.3328,
0.2759

■ 11.1324, 0.4102,
0.2035

■ 32.2654, 0.3250,
0.2942

■ 11.1207, 0.4105,
0.2035

■ 38.3031, 0.3183,
0.3122

■ 45.2454, 0.3126,
0.3294

■ 53.1278, 0.3078,
0.3456

■ 61.9840, 0.3037,
0.3608

■ 71.8461, 0.3003,
0.3748

Harmonies

Analogous

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



16.3566, 0.2546, 0.1867



16.3566, 0.3626, 0.2259



16.3566, 0.4709, 0.2848

Triad

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



16.3566, 0.3626, 0.2259



16.3566, 0.4337, 0.5009



16.3566, 0.1385, 0.2460

Complementary

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



16.3566, 0.3626, 0.2259



34.5989, 0.2862, 0.4661

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.



16.3566, 0.1696, 0.3521



16.3566, 0.3626, 0.2259



16.3566, 0.3381, 0.5362

Square

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



16.3566, 0.3626, 0.2259



16.3566, 0.5053, 0.4281



16.3566, 0.2411, 0.4788



16.3566, 0.1430, 0.1900

Rectangle

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



16.3566, 0.3626, 0.2259



16.3566, 0.5154, 0.3300



16.3566, 0.2411, 0.4788



16.3566, 0.1445, 0.2758

Sweetspot

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



16.3574, 0.3626, 0.2259



59.2777, 0.3239, 0.2969



10.7329, 0.2263, 0.1521



12.4916, 0.3260, 0.2916



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.3574, 0.3626, 0.2259



24.3882, 0.3784, 0.2107



15.0485, 0.4543, 0.2974



8.6039, 0.3180, 0.3130



7.8697, 0.4092, 0.2028



0.2571, 0.3794, 0.1864

Inverse Universe

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



16.3574, 0.3626, 0.2259



24.3882, 0.3784, 0.2107



36.0140, 0.2533, 0.3682



8.6039, 0.3180, 0.3130



7.8697, 0.4092, 0.2028



0.2571, 0.3794, 0.1864

Previews

White Background



This preview shows how the Yxy color 16.3566, 0.3626, 0.2259 looks on a white background.

Color Contrast Check

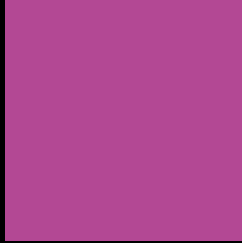
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.3566, 0.3626, 0.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

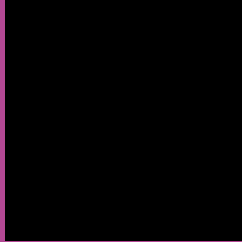
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3566, 0.3626, 0.2259

Background



This preview shows how black text looks on a background with the Yxy color 16.3566, 0.3626, 0.2259.



This preview shows how white text looks on a background with the Yxy color 16.3566, 0.3626, 0.2259.

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

16.3566, 0.3626, 0.2259

Protanopia

16.6579, 0.2252, 0.2114

Deuteranopia

16.5731, 0.2750, 0.2702



Tritanopia

16.4270, 0.4433, 0.3206

Trichromacy



Original Color

16.3566, 0.3626, 0.2259

Protanomaly

15.4044, 0.2619, 0.2108

Deuteranomaly

15.6313, 0.3030, 0.2475

Tritanomaly

16.2848, 0.4150, 0.2843

Monochromacy



Original Color

16.3566, 0.3626, 0.2259

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.5601, 0.3308, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3566, 0.3626, 0.2259 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(179, 72, 148)` looks like.

```
.text, #text, p{  
    color:rgb(179, 72, 148)  
}
```

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(179, 72, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 72, 148) }
```

Border

The CSS property to change the border of an element to Yxy 16.3566, 0.3626, 0.2259 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(179, 72, 148) }
```

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

```
.border{ border-color:rgb(179, 72, 148) }
```

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

Here you see how a box with a 4 pixel rgb(179, 72, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 72, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 72, 148);  
box-shadow:4px 4px 4px 4px rgb(179, 72,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3566, 0.3626, 0.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 72, 148) }
```

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

```
.background{ background-color: rgb(179, 72,  
148) }
```

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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