

Converting Colors

$Y_{xy}(19.4011, 0.3479, 0.2361)$

Have a look what the booklet for
Yxy(19.4011, 0.3479, 0.2361)
contains.

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Color

Yxy(19.4499, 0.3477, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	B45A9D
RGB	180, 90, 157
RGB Percent	71%, 35%, 62%
CMY	0.2940, 0.6471, 0.3843
CMYK	0.00, 0.50, 0.13, 0.29
HSL	315°, 38%, 53%
HSV	315°, 50%, 71%
XYZ	28.5709, 19.4499, 34.1503
YIQ	124.5480, 32.1330, 39.9170

Conversions

Conversions Part 2

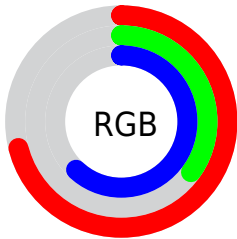
Format	Color
R _Y B	180, 90, 157
Decimal	11819677
CIE Lab	51.21, 45.24, -20.01
CIE LCh	51, 49.469, 336.144
Yxy	19.4499, 0.3477, 0.2367
Android (android.graphics.Color)	4290009757 (0xFFB45A9D)
YUV	124.5480, 15.9988, 48.6314
Hunter-Lab	44.1020, 38.4602, -15.0396

Details

The Yxy color **19.4499, 0.3477, 0.2367** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.0217, 0.2908, 0.4454**, and the grayscale version is **20.2851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5755, 0.3410, 0.2549**, and **6.7868, 0.3576, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **16.6193, 0.3573, 0.2212**, and if you desaturate by 10%, it is **23.0237, 0.3389, 0.2543**.

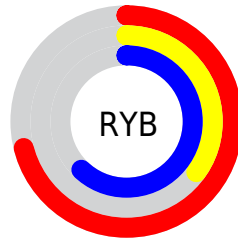
Distribution



Red (71%)

Green (35%)

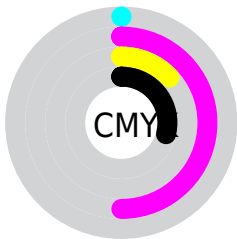
Blue (62%)



Red (71%)

Yellow (35%)

Blue (62%)

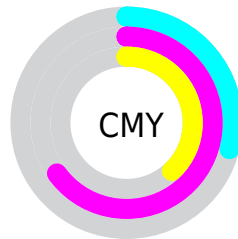


Cyan (0%)

Magenta (50%)

Yellow (13%)

Black (29%)



Cyan (29%)


Magenta (65%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4499, 0.3477, 0.2367 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 19.4499, 0.3477, 0.2367 by changing the saturation by 10% instead.


 19.4499, 0.3477,
0.2367


 19.4499, 0.3477,
0.2367


248.9213, 0.3295,
0.2855


 11.9958, 0.3524,
0.2237


 42.4930, 0.3409,
0.2551


 6.7408, 0.3586,
0.2066


 58.8507, 0.3384,
0.2618

 3.3006, 0.3668,
0.1831


 78.9451, 0.3363,
0.2674

 1.2906, 0.3781,
0.1495

 103.1607, 0.3346,
0.2721

 0.1339, 0.4181,
0.0432

131.8816, 0.3330,
0.2762

 0.0000, 0.3460,
0.0000

165.4925, 0.3317,

 0.0000, 0.0000,

0.2797

0.0000

204.3776, 0.3305,
0.2828

■ 19.4499, 0.3477,
0.2367

■ 19.4499, 0.3477,
0.2367

■ 16.6193, 0.3573,
0.2212

■ 23.0237, 0.3389,
0.2543

■ 14.4750, 0.3674,
0.2088

■ 27.3866, 0.3309,
0.2731

■ 12.9565, 0.3778,
0.2004

■ 32.5840, 0.3240,
0.2921

■ 11.9913, 0.3881,
0.1966

■ 38.6573, 0.3179,
0.3109

■ 11.4288, 0.3981,
0.1967

■ 45.6447, 0.3127,
0.3290

■ 53.5826, 0.3083,
0.3460

■ 62.5050, 0.3046,
0.3620

■ 72.4445, 0.3015,
0.3767

■ 83.4322, 0.2989,
0.3903

Harmonies

Analogous

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



19.4499, 0.2579, 0.2034



19.4499, 0.3477, 0.2367



19.4499, 0.4387, 0.2884

Triad

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



19.4499, 0.3477, 0.2367



19.4499, 0.4268, 0.4746



19.4499, 0.1626, 0.2670

Complementary

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



19.4499, 0.3477, 0.2367



36.0217, 0.2908, 0.4454

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.



19.4499, 0.1950, 0.3586



19.4499, 0.3477, 0.2367



19.4499, 0.3460, 0.5006

Square

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



19.4499, 0.3477, 0.2367



19.4499, 0.4823, 0.4153



19.4499, 0.2610, 0.4571



19.4499, 0.1634, 0.2131

Rectangle

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



19.4499, 0.3477, 0.2367



19.4499, 0.4795, 0.3289



19.4499, 0.2610, 0.4571



19.4499, 0.1695, 0.2939

Sweetspot

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



19.4508, 0.3477, 0.2367



64.0991, 0.3210, 0.3011



14.0825, 0.2400, 0.1813



13.3701, 0.3222, 0.2972



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.



19.4508, 0.3477, 0.2367



29.6765, 0.3583, 0.2198



18.1970, 0.4151, 0.2970



8.6089, 0.3175, 0.3122



7.9845, 0.3970, 0.1961



0.2600, 0.3716, 0.1821

Inverse Universe

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



19.4508, 0.3477, 0.2367



29.6765, 0.3583, 0.2198



37.2815, 0.2618, 0.3659



8.6089, 0.3175, 0.3122



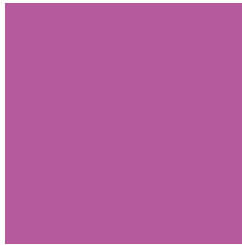
7.9845, 0.3970, 0.1961



0.2600, 0.3716, 0.1821

Previews

White Background



This preview shows how the Yxy color 19.4499, 0.3477, 0.2367 looks on a white background.

Color Contrast Check

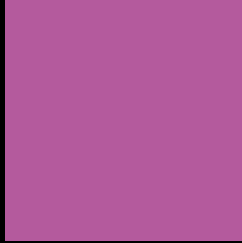
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.4499, 0.3477, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

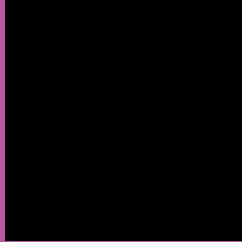
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4499, 0.3477, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 19.4499, 0.3477, 0.2367.



This preview shows how white text looks on a background with the Yxy color 19.4499, 0.3477, 0.2367.

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

19.4499, 0.3477, 0.2367

Protanopia

19.8536, 0.2391, 0.2297

Deuteranopia

19.6219, 0.2775, 0.2723



Tritanopia

19.5040, 0.4093, 0.3188

Trichromacy



Original Color

19.4499, 0.3477, 0.2367

Protanomaly

18.9557, 0.2702, 0.2288

Deuteranomaly

18.9331, 0.3001, 0.2549

Tritanomaly

19.4029, 0.3867, 0.2867

Monochromacy



Original Color

19.4499, 0.3477, 0.2367

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.4142, 0.3250, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4499, 0.3477, 0.2367 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(180, 90, 157)` looks like.

```
.text, #text, p{  
  color:rgb(180, 90, 157)  
}
```

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(180, 90, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 90, 157) }
```

Border

The CSS property to change the border of an element to Yxy 19.4499, 0.3477, 0.2367 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(180, 90, 157) }
```

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

```
.border{ border-color:rgb(180, 90, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 90, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 90, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 90, 157);  
box-shadow:4px 4px 4px 4px rgb(180, 90,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4499, 0.3477, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 90, 157) }
```

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

```
.background{ background-color: rgb(180, 90,  
157) }
```

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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