

Converting Colors

$Y_{xy}(19.7524, 0.3453, 0.2450)$

Have a look what the booklet for
Yxy(19.7524, 0.3453, 0.2450)
contains.

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Color

Yxy(19.7476, 0.3457, 0.2453)

Conversions

Conversions Part 1

Format	Color
Hex	B05F9A
RGB	176, 95, 154
RGB Percent	69%, 37%, 60%
CMY	0.3098, 0.6274, 0.3960
CMYK	0.00, 0.46, 0.12, 0.31
HSL	316°, 34%, 53%
HSV	316°, 46%, 69%
XYZ	27.8302, 19.7476, 32.9261
YIQ	125.9450, 29.3370, 35.5210

Conversions

Conversions Part 2

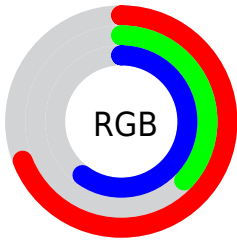
Format	Color
RYB	176, 95, 154
Decimal	11558810
CIELab	51.55, 40.85, -17.78
CIELCh	52, 44.552, 336.485
Yxy	19.7476, 0.3457, 0.2453
Android (android.graphics.Color)	4289748890 (0xFFB05F9A)
YUV	125.9450, 13.8311, 43.8982
Hunter-Lab	44.4383, 34.0215, -12.8235

Details

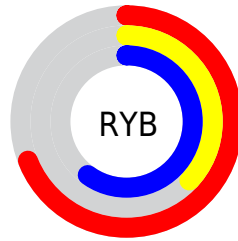
The Yxy color **19.7476, 0.3457, 0.2453** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **34.7663, 0.2913, 0.4318**, and the grayscale version is **20.7898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0575, 0.3395, 0.2630**, and **6.8456, 0.3550, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **16.7719, 0.3556, 0.2291**, and if you desaturate by 10%, it is **23.4477, 0.3367, 0.2631**.

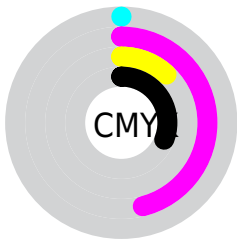
Distribution



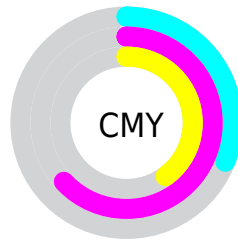
- Red (69%)
- Green (37%)
- Blue (60%)



- Red (69%)
- Yellow (37%)
- Blue (60%)



- Cyan (0%)
- Magenta (46%)
- Yellow (12%)
- Black (31%)




- Cyan (31%)
- Magenta (63%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7476, 0.3457, 0.2453 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 19.7476, 0.3457, 0.2453 by changing the saturation by 10% instead.


 19.7476, 0.3457,
0.2453


 19.7476, 0.3457,
0.2453


250.5454, 0.3283,
0.2899


 12.2117, 0.3503,
0.2333


 42.9936, 0.3392,
0.2622


 6.8880, 0.3563,
0.2173


 59.4725, 0.3368,
0.2683

 3.3922, 0.3646,
0.1953


 79.7012, 0.3348,
0.2734

 1.3397, 0.3762,
0.1630

 104.0641, 0.3331,
0.2777

 0.1717, 0.4171,
0.0596

132.9456, 0.3317,
0.2814

 0.0000, 0.3254,
0.0000

166.7300, 0.3304,

 0.0000, 0.0000,

0.2846

0.0000

205.8018, 0.3293,
0.2874

■ 19.7476, 0.3457,
0.2453

■ 19.7476, 0.3457,
0.2453

■ 16.7719, 0.3556,
0.2291

■ 23.4477, 0.3367,
0.2631

■ 14.4690, 0.3662,
0.2156

■ 27.9138, 0.3288,
0.2817

■ 12.7847, 0.3773,
0.2057

■ 33.1876, 0.3218,
0.3003


■ 11.6553, 0.3884,
0.2002


■ 39.3070, 0.3159,
0.3185


■ 10.9974, 0.3993,
0.1994


■ 46.3075, 0.3108,
0.3358

 10.7947, 0.4036,
0.1997

 54.2225, 0.3065,
0.3520

 63.0838, 0.3029,
0.3671

 72.9214, 0.2999,
0.3811

 83.7643, 0.2974,
0.3939

Harmonies

Analogous

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



19.7476, 0.2644, 0.2142



19.7476, 0.3457, 0.2453



19.7476, 0.4265, 0.2935

Triad

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



19.7476, 0.3457, 0.2453



19.7476, 0.4173, 0.4627



19.7476, 0.1754, 0.2736

Complementary

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



19.7476, 0.3457, 0.2453



34.7663, 0.2913, 0.4318

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.



19.7476, 0.2058, 0.3552



19.7476, 0.3457, 0.2453



19.7476, 0.3440, 0.4818

Square

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



19.7476, 0.3457, 0.2453



19.7476, 0.4666, 0.4110



19.7476, 0.2665, 0.4412



19.7476, 0.1760, 0.2237

Rectangle

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



19.7476, 0.3457, 0.2453



19.7476, 0.4628, 0.3313



19.7476, 0.2665, 0.4412



19.7476, 0.1820, 0.2978

Sweetspot

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



19.7485, 0.3457, 0.2453



62.0500, 0.3207, 0.3036



15.0738, 0.2487, 0.1951



12.9701, 0.3221, 0.2997



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



19.7485, 0.3457, 0.2453



30.4473, 0.3555, 0.2292



18.6274, 0.4048, 0.3013



8.6066, 0.3177, 0.3126



7.9308, 0.4025, 0.1991



0.2587, 0.3751, 0.1840

Inverse Universe

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



19.7485, 0.3457, 0.2453



30.4473, 0.3555, 0.2292



35.9201, 0.2641, 0.3601



8.6066, 0.3177, 0.3126



7.9308, 0.4025, 0.1991



0.2587, 0.3751, 0.1840

Previews

White Background



This preview shows how the Yxy color 19.7476, 0.3457, 0.2453 looks on a white background.

Color Contrast Check

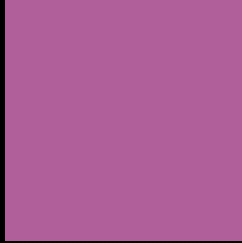
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7476, 0.3457, 0.2453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

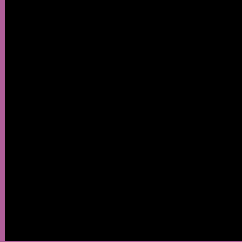
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7476, 0.3457, 0.2453

Background



This preview shows how black text looks on a background with the Yxy color 19.7476, 0.3457, 0.2453.



This preview shows how white text looks on a background with the Yxy color 19.7476, 0.3457, 0.2453.

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

19.7476, 0.3457, 0.2453

Protanopia

20.1009, 0.2472, 0.2404

Deuteranopia

20.0143, 0.2828, 0.2779



Tritanopia

19.7284, 0.3964, 0.3170

Trichromacy



Original Color

19.7476, 0.3457, 0.2453

Protanomaly

19.2839, 0.2762, 0.2390

Deuteranomaly

19.5735, 0.3046, 0.2646

Tritanomaly

19.7239, 0.3784, 0.2902

Monochromacy



Original Color

19.7476, 0.3457, 0.2453

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

19.9683, 0.3245, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7476, 0.3457, 0.2453 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(176, 95, 154)` looks like.

```
.text, #text, p{  
    color:rgb(176, 95, 154)  
}
```

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(176, 95, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 95, 154) }
```

Border

The CSS property to change the border of an element to Yxy 19.7476, 0.3457, 0.2453 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(176, 95, 154) }
```

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

```
.border{ border-color:rgb(176, 95, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 95, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 95, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 95, 154);  
box-shadow:4px 4px 4px 4px rgb(176, 95,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7476, 0.3457, 0.2453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 95, 154) }
```

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

```
.background{ background-color: rgb(176, 95,  
154) }
```

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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