

Converting Colors

$Y_{xy}(19.1420, 0.2993, 0.1786)$

Have a look what the booklet for
Yxy(19.1420, 0.2993, 0.1786)
contains.

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Color

Yxy(19.2375, 0.2995, 0.1790)

Conversions

Conversions Part 1

Format	Color
Hex	B64CC7
RGB	182, 76, 199
RGB Percent	71%, 30%, 78%
CMY	0.2862, 0.7020, 0.2196
CMYK	0.09, 0.62, 0.00, 0.22
HSL	292°, 52%, 54%
HSV	292°, 62%, 78%
XYZ	32.1879, 19.2375, 56.0467
YIQ	121.7160, 23.6930, 60.7250

Conversions

Conversions Part 2

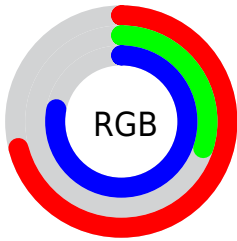
Format	Color
RYB	182, 76, 199
Decimal	11947207
CIELab	50.96, 59.88, -44.83
CIELCh	51, 74.800, 323.178
Yxy	19.2375, 0.2995, 0.1790
Android (android.graphics.Color)	4290137287 (0xFFB64CC7)
YUV	121.7160, 38.1010, 52.8691
Hunter-Lab	43.8606, 54.2395, -45.0606

Details

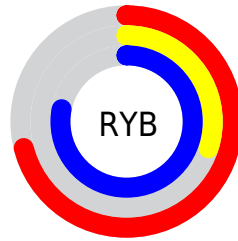
The Yxy color **19.2375, 0.2995, 0.1790** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **43.6916, 0.3130, 0.5213**, and the grayscale version is **19.2322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9779, 0.3051, 0.2063**, and **6.6446, 0.2902, 0.1404** is the 20% darker color. If you saturate the color by 10%, you get **16.5769, 0.2962, 0.1616**, and if you desaturate by 10%, it is **22.7540, 0.3026, 0.2000**.

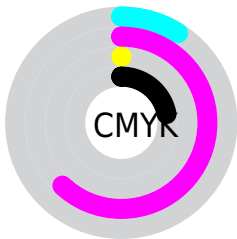
Distribution



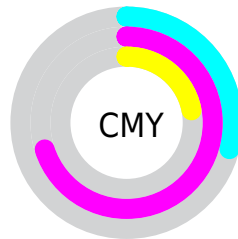
- Red (71%)
- Green (30%)
- Blue (78%)



- Red (71%)
- Yellow (30%)
- Blue (78%)



- Cyan (9%)
- Magenta (62%)
- Yellow (0%)
- Black (22%)





- Cyan (29%)
- Magenta (70%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2375, 0.2995, 0.1790 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 19.2375, 0.2995, 0.1790 by changing the saturation by 10% instead.


 19.2375, 0.2995,
0.1790


 19.2375, 0.2995,
0.1790


247.7568, 0.3103,
0.2531


 11.8420, 0.2954,
0.1615


 42.1350, 0.3045,
0.2054


 6.6362, 0.2892,
0.1398


 58.4059, 0.3060,
0.2155


 3.2356, 0.2795,
0.1129


 78.4040, 0.3072,
0.2241

 1.2560, 0.2633,
0.0796

 102.5137, 0.3081,
0.2315

 0.1067, 0.2408,
0.0144

 131.1194, 0.3089,
0.2380

 0.0000, 0.1697,
0.0000

164.6056, 0.3094,

 0.0000, 0.0000,

0.2437

0.0000

203.3566, 0.3099,
0.2487

■ 19.2375, 0.2995,
0.1790

■ 19.2375, 0.2995,
0.1790

■ 16.5769, 0.2962,
0.1616

■ 22.7540, 0.3026,
0.2000

■ 14.6886, 0.2926,
0.1484

■ 27.1948, 0.3053,
0.2235

■ 13.4765, 0.2890,
0.1396

■ 32.6241, 0.3077,
0.2487

■ 12.8417, 0.2861,
0.1350

■ 39.0997, 0.3097,
0.2744

■ 46.6751, 0.3113,
0.3000

■ 55.3998, 0.3125,
0.3247

■ 65.3206, 0.3135,
0.3480

■ 76.4814, 0.3141,
0.3698

■ 88.8706, 0.3146,
0.3898

Harmonies

Analogous

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



19.2375, 0.1900, 0.1494



19.2375, 0.2995, 0.1790



19.2375, 0.4446, 0.2353

Triad

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



19.2375, 0.2995, 0.1790



19.2375, 0.4980, 0.4784



19.2375, 0.1176, 0.2799

Complementary

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



19.2375, 0.2995, 0.1790



43.6916, 0.3130, 0.5213

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.



19.2375, 0.1734, 0.4453



19.2375, 0.2995, 0.1790



19.2375, 0.3910, 0.5681

Square

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



19.2375, 0.2995, 0.1790



19.2375, 0.5665, 0.3865



19.2375, 0.2747, 0.5806



19.2375, 0.1064, 0.1857

Rectangle

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



19.2375, 0.2995, 0.1790



19.2375, 0.5272, 0.2824



19.2375, 0.2747, 0.5806



19.2375, 0.1305, 0.3286

Sweetspot

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



19.2383, 0.2995, 0.1790



71.6419, 0.3101, 0.2810



13.7430, 0.1996, 0.1583



14.5580, 0.3096, 0.2735



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



19.2383, 0.2995, 0.1790



27.8034, 0.2950, 0.1568



19.7071, 0.3764, 0.2308



10.7396, 0.3116, 0.3061



8.2863, 0.2866, 0.1353



0.4134, 0.2942, 0.1394

Inverse Universe

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



18.0983, 0.4800, 0.3090



25.9702, 0.5378, 0.3093



43.7138, 0.2816, 0.4604



10.6604, 0.3268, 0.3258



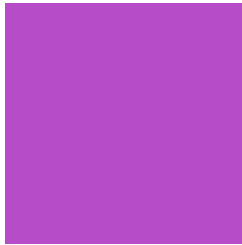
7.8676, 0.6202, 0.3190



0.3805, 0.5723, 0.2926

Previews

White Background



This preview shows how the Yxy color 19.2375, 0.2995, 0.1790 looks on a white background.

Color Contrast Check

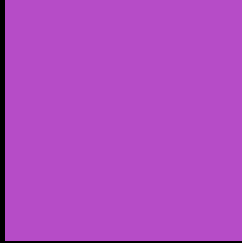
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2375, 0.2995, 0.1790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

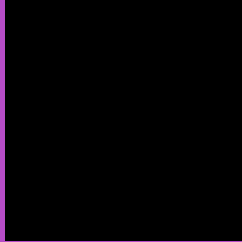
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2375, 0.2995, 0.1790

Background



This preview shows how black text looks on a background with the Yxy color 19.2375, 0.2995, 0.1790.



This preview shows how white text looks on a background with the Yxy color 19.2375, 0.2995, 0.1790.

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

19.2375, 0.2995, 0.1790

Protanopia

19.7697, 0.1823, 0.1554

Deuteranopia

19.6120, 0.2192, 0.2138



Tritanopia

19.1529, 0.4006, 0.3185

Trichromacy



Original Color

19.2375, 0.2995, 0.1790



Protanomaly

17.5152, 0.2033, 0.1547



Deuteranomaly

17.9913, 0.2401, 0.1917



Tritanomaly

18.7804, 0.3603, 0.2577

Monochromacy



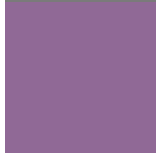
Original Color

19.2375, 0.2995, 0.1790



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.2345, 0.3085, 0.2550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2375, 0.2995, 0.1790 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(182, 76, 199)` looks like.

```
.text, #text, p{  
    color:rgb(182, 76, 199)  
}
```

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(182, 76, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 76, 199) }
```

Border

The CSS property to change the border of an element to Yxy 19.2375, 0.2995, 0.1790 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(182, 76, 199) }
```

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

```
.border{ border-color:rgb(182, 76, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 76, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 76, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 76, 199);  
box-shadow:4px 4px 4px 4px rgb(182, 76,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2375, 0.2995, 0.1790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 76, 199) }
```

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

```
.background{ background-color: rgb(182, 76,  
199) }
```

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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