

Converting Colors

$Y_{xy}(20.1477, 0.3033, 0.1841)$

Have a look what the booklet for
Yxy(20.1477, 0.3033, 0.1841)
contains.

Yxy(20.1751, 0.3030, 0.1842)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.1751, 0.3030, 0.1842)

Conversions

Conversions Part 1

Format	Color
Hex	B950C7
RGB	185, 80, 199
RGB Percent	73%, 31%, 78%
CMY	0.2744, 0.6863, 0.2197
CMYK	0.07, 0.60, 0.00, 0.22
HSL	293°, 52%, 55%
HSV	293°, 60%, 78%
XYZ	33.1871, 20.1751, 56.1661
YIQ	124.9610, 24.3810, 59.2690

Conversions

Conversions Part 2

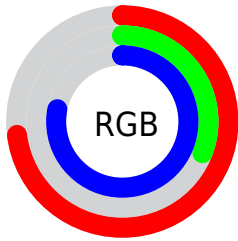
Format	Color
R _Y B	185, 80, 199
Decimal	12144839
CIE Lab	52.03, 58.83, -43.10
CIE LCh	52, 72.929, 323.775
Yxy	20.1751, 0.3030, 0.1842
Android (android.graphics.Color)	4290334919 (0xFFB950C7)
YUV	124.9610, 36.5012, 52.6542
Hunter-Lab	44.9167, 53.2819, -42.6975

Details

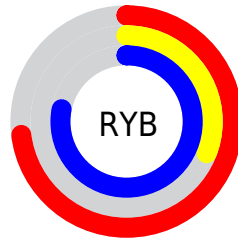
The Yxy color **20.1751, 0.3030, 0.1842** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **43.7943, 0.3118, 0.5157**, and the grayscale version is **20.3631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6026, 0.3077, 0.2107**, and **7.1134, 0.2954, 0.1469** is the 20% darker color. If you saturate the color by 10%, you get **17.3934, 0.3003, 0.1664**, and if you desaturate by 10%, it is **23.8259, 0.3054, 0.2054**.

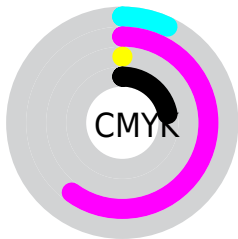
Distribution



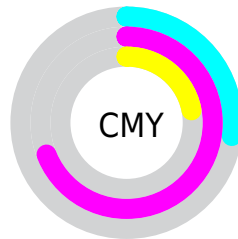
- Red (73%)
- Green (31%)
- Blue (78%)



- Red (73%)
- Yellow (31%)
- Blue (78%)



- Cyan (7%)
- Magenta (60%)
- Yellow (0%)
- Black (22%)





- Cyan (27%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1751, 0.3030, 0.1842 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 20.1751, 0.3030, 0.1842 by changing the saturation by 10% instead.


 20.1751, 0.3030,
0.1842


 20.1751, 0.3030,
0.1842


252.8615, 0.3117,
0.2557


 12.5224, 0.2995,
0.1672


 43.7106, 0.3071,
0.2097

 7.1005, 0.2943,
0.1462


 60.3621, 0.3084,
0.2194


 3.5250, 0.2859,
0.1199


 80.7820, 0.3093,
0.2277

 1.4116, 0.2718,
0.0870

 105.3547, 0.3100,
0.2349

 0.2252, 0.2509,
0.0292

 134.4647, 0.3106,
0.2411

 0.0000, 0.1922,
0.0000

168.4962, 0.3110,

 0.0000, 0.0000,

0.2466

0.0000

207.8336, 0.3114,
0.2514

■ 20.1751, 0.3030,
0.1842

■ 20.1751, 0.3030,
0.1842

■ 17.3934, 0.3003,
0.1664

■ 23.8259, 0.3054,
0.2054

■ 15.3994, 0.2974,
0.1528

■ 28.4122, 0.3076,
0.2290

■ 14.1009, 0.2944,
0.1435

■ 33.9972, 0.3093,
0.2541

■ 13.3249, 0.2914,
0.1380

■ 40.6375, 0.3108,
0.2797

■ 13.3108, 0.2914,
0.1379

■ 48.3858, 0.3119,
0.3051

■ 57.2910, 0.3127,
0.3295

■ 67.3992, 0.3133,
0.3526

■ 78.7540, 0.3137,
0.3741

■ 88.7688, 0.3142,
0.3899

Harmonies

Analogous

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



20.1751, 0.1956, 0.1545



20.1751, 0.3030, 0.1842



20.1751, 0.4424, 0.2399

Triad

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



20.1751, 0.3030, 0.1842



20.1751, 0.4925, 0.4784



20.1751, 0.1228, 0.2803

Complementary

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



20.1751, 0.3030, 0.1842



43.7943, 0.3118, 0.5157

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.



20.1751, 0.1772, 0.4370



20.1751, 0.3030, 0.1842



20.1751, 0.3890, 0.5620

Square

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



20.1751, 0.3030, 0.1842



20.1751, 0.5582, 0.3893



20.1751, 0.2757, 0.5678



20.1751, 0.1118, 0.1895

Rectangle

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



20.1751, 0.3030, 0.1842



20.1751, 0.5208, 0.2863



20.1751, 0.2757, 0.5678



20.1751, 0.1354, 0.3266

Sweetspot

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



20.1760, 0.3030, 0.1842



73.1231, 0.3110, 0.2837



14.1675, 0.2026, 0.1614



14.8553, 0.3106, 0.2761



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.



20.1760, 0.3030, 0.1842



29.1791, 0.2994, 0.1615



20.2541, 0.3764, 0.2356



10.7510, 0.3119, 0.3061



8.5858, 0.2918, 0.1381



0.4249, 0.2982, 0.1417

Inverse Universe

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



18.6830, 0.4755, 0.3124



26.6067, 0.5341, 0.3124



43.9890, 0.2809, 0.4520



10.6568, 0.3271, 0.3263



7.8552, 0.6242, 0.3212



0.3789, 0.5812, 0.2975

Previews

White Background



This preview shows how the Yxy color 20.1751, 0.3030, 0.1842 looks on a white background.

Color Contrast Check

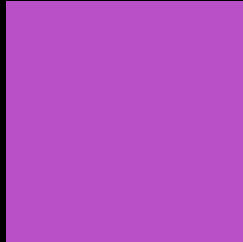
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1751, 0.3030, 0.1842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

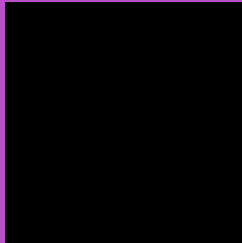
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1751, 0.3030, 0.1842

Background



This preview shows how black text looks on a background with the Yxy color 20.1751, 0.3030, 0.1842.



This preview shows how white text looks on a background with the Yxy color 20.1751, 0.3030, 0.1842.

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

20.1751, 0.3030, 0.1842

Protanopia

20.7190, 0.1877, 0.1625

Deuteranopia

20.4010, 0.2239, 0.2183



Tritanopia

20.0692, 0.4004, 0.3172

Trichromacy



Original Color

20.1751, 0.3030, 0.1842



Protanomaly

18.6390, 0.2112, 0.1620



Deuteranomaly

18.9801, 0.2454, 0.1977



Tritanomaly

19.6630, 0.3622, 0.2591

Monochromacy



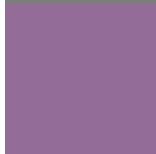
Original Color

20.1751, 0.3030, 0.1842



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.4073, 0.3097, 0.2594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1751, 0.3030, 0.1842 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(185, 80, 199)` looks like.

```
.text, #text, p{  
  color:rgb(185, 80, 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(185, 80, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 80, 199) }
```

Border

The CSS property to change the border of an element to Yxy 20.1751, 0.3030, 0.1842 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(185, 80, 199) }
```

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

```
.border{ border-color:rgb(185, 80, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 80, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 80, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 80, 199);  
box-shadow:4px 4px 4px 4px rgb(185, 80,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1751, 0.3030, 0.1842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 80, 199) }
```

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

```
.background{ background-color: rgb(185, 80,  
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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