

Converting Colors

$Y_{xy}(19.7172, 0.3790, 0.2520)$

Have a look what the booklet for
Yxy(19.7172, 0.3790, 0.2520)
contains.

Yxy(19.8079, 0.3785, 0.2520)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8079, 0.3785, 0.2520)

Conversions

Conversions Part 1

Format	Color
Hex	BE5791
RGB	190, 87, 145
RGB Percent	75%, 34%, 57%
CMY	0.2550, 0.6587, 0.4314
CMYK	0.00, 0.54, 0.24, 0.25
HSL	326°, 44%, 54%
HSV	326°, 54%, 75%
XYZ	29.7512, 19.8079, 29.0437
YIQ	124.4090, 42.7700, 39.8740

Conversions

Conversions Part 2

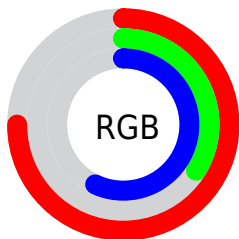
Format	Color
R_{YB}	190, 87, 145
Decimal	12474257
CIE _{Lab}	51.62, 48.03, -12.16
CIE _{LCh}	52, 49.541, 345.793
Yxy	19.8079, 0.3785, 0.2520
Android (android.graphics.Color)	4290664337 (0xFFBE5791)
YUV	124.4090, 10.1514, 57.5233
Hunter-Lab	44.5061, 41.4370, -7.5372

Details

The Yxy color **19.8079, 0.3785, 0.2520** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **40.5128, 0.2782, 0.4252**, and the grayscale version is **20.2562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3130, 0.3647, 0.2682**, and **6.9276, 0.4024, 0.2246** is the 20% darker color. If you saturate the color by 10%, you get **16.8794, 0.3969, 0.2411**, and if you desaturate by 10%, it is **23.5666, 0.3620, 0.2652**.

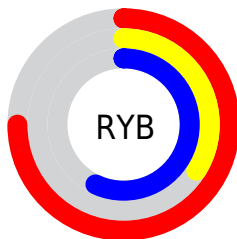
Distribution



Red (75%)

Green (34%)

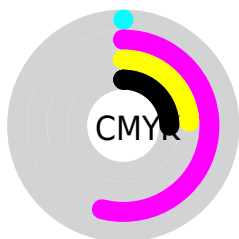
Blue (57%)



Red (75%)

Yellow (34%)

Blue (57%)

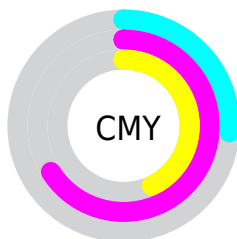


Cyan (0%)

Magenta (54%)

Yellow (24%)

Black (25%)



Cyan (26%)


Magenta (66%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8079, 0.3785, 0.2520 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 19.8079, 0.3785, 0.2520 by changing the saturation by 10% instead.


 19.8079, 0.3785,
0.2520

 19.8079, 0.3785,
0.2520


250.8733, 0.3423,
0.2934


 12.2555, 0.3888,
0.2407


 43.0949, 0.3645,
0.2678


 6.9179, 0.4028,
0.2255


 59.5982, 0.3595,
0.2735

 3.4108, 0.4230,
0.2044

 79.8540, 0.3553,
0.2782

 1.3498, 0.4544,
0.1730

 104.2466, 0.3519,
0.2822

 0.1793, 0.5415,
0.0670

133.1605, 0.3490,
0.2856

 0.0000, 1.0000,
0.0000

166.9799, 0.3464,

 0.0000, 0.0000,

0.2886

0.0000

206.0894, 0.3442,
0.2911

■ 19.8079, 0.3785,
0.2520

■ 19.8079, 0.3785,
0.2520

■ 16.8794, 0.3969,
0.2411

■ 23.5666, 0.3620,
0.2652

■ 14.7126, 0.4168,
0.2336

■ 28.2107, 0.3475,
0.2797

■ 13.2333, 0.4375,
0.2307

■ 33.7943, 0.3352,
0.2946

■ 12.3504, 0.4579,
0.2331

■ 40.3662, 0.3247,
0.3092

■ 12.0062, 0.4697,
0.2361

■ 47.9718, 0.3159,
0.3233

■ 56.6537, 0.3086,
0.3366

■ 66.4519, 0.3026,
0.3490

■ 77.4046, 0.2976,
0.3604

■ 87.6164, 0.2933,
0.3678

Harmonies

Analogous

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



19.8079, 0.2847, 0.2121



19.8079, 0.3785, 0.2520



19.8079, 0.4607, 0.3077

Triad

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



19.8079, 0.3785, 0.2520



19.8079, 0.4023, 0.4879



19.8079, 0.1600, 0.2458

Complementary

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



19.8079, 0.3785, 0.2520



40.5128, 0.2782, 0.4252

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.



19.8079, 0.1813, 0.3259



19.8079, 0.3785, 0.2520



19.8079, 0.3182, 0.4943

Square

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



19.8079, 0.3785, 0.2520



19.8079, 0.4680, 0.4356



19.8079, 0.2370, 0.4280



19.8079, 0.1707, 0.2040

Rectangle

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



19.8079, 0.3785, 0.2520



19.8079, 0.4892, 0.3494



19.8079, 0.2370, 0.4280



19.8079, 0.1634, 0.2682

Sweetspot

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



19.8089, 0.3785, 0.2520



70.5560, 0.3267, 0.3062



15.4128, 0.2516, 0.1750



14.9324, 0.3288, 0.3032



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



19.8089, 0.3785, 0.2520



29.7640, 0.4005, 0.2394



18.5706, 0.4598, 0.3204



9.6239, 0.3203, 0.3162



8.0010, 0.4672, 0.2347



0.3263, 0.4231, 0.2104

Inverse Universe

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



19.8089, 0.3785, 0.2520



29.7640, 0.4005, 0.2394



42.2707, 0.2481, 0.3393



9.6239, 0.3203, 0.3162



8.0010, 0.4672, 0.2347



0.3263, 0.4231, 0.2104

Previews

White Background



This preview shows how the Yxy color 19.8079, 0.3785, 0.2520 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 19.8079, 0.3785, 0.2520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

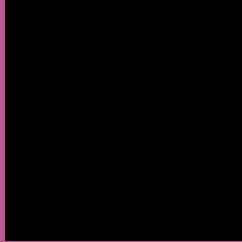
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8079, 0.3785, 0.2520

Background



This preview shows how black text looks on a background with the Yxy color 19.8079, 0.3785, 0.2520.



This preview shows how white text looks on a background with the Yxy color 19.8079, 0.3785, 0.2520.

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

19.8079, 0.3785, 0.2520

Protanopia

20.1363, 0.2530, 0.2467

Deuteranopia

19.9156, 0.3000, 0.2935



Tritanopia

19.7841, 0.4343, 0.3196

Trichromacy



Original Color

19.8079, 0.3785, 0.2520

Protanomaly

18.9995, 0.2900, 0.2444

Deuteranomaly

19.2574, 0.3270, 0.2737

Tritanomaly

19.7015, 0.4139, 0.2947

Monochromacy



Original Color

19.8079, 0.3785, 0.2520

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.3307, 0.3353, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8079, 0.3785, 0.2520 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(190, 87, 145)` looks like.

```
.text, #text, p{  
    color:rgb(190, 87, 145)  
}
```

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(190, 87, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 87, 145) }
```

Border

The CSS property to change the border of an element to Yxy 19.8079, 0.3785, 0.2520 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(190, 87, 145) }
```

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

```
.border{ border-color:rgb(190, 87, 145) }
```

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

Here you see how a box with a 4 pixel rgb(190, 87, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 87, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 87, 145);  
box-shadow:4px 4px 4px 4px rgb(190, 87,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8079, 0.3785, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 87, 145) }
```

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

```
.background{ background-color: rgb(190, 87,  
145) }
```

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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