

Converting Colors

$Y_{xy}(18.4418, 0.3055, 0.1579)$

Have a look what the booklet for
Yxy(18.4418, 0.3055, 0.1579)
contains.

Yxy(18.4002, 0.3052, 0.1577)	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(18.4002, 0.3052, 0.1577)

Conversions

Conversions Part 1

Format	Color
Hex	C52DD2
RGB	197, 45, 210
RGB Percent	77%, 18%, 82%
CMY	0.2272, 0.8239, 0.1763
CMYK	0.06, 0.79, 0.00, 0.18
HSL	295°, 65%, 50%
HSV	295°, 79%, 82%
XYZ	35.6103, 18.4002, 62.6680
YIQ	109.2580, 37.6270, 83.5390

Conversions

Conversions Part 2

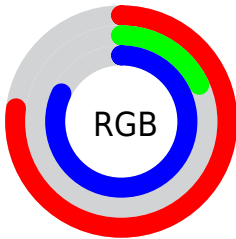
Format	Color
RYB	197, 45, 210
Decimal	12922322
CIELab	49.98, 76.07, -52.61
CIElCh	50, 92.486, 325.331
Yxy	18.4002, 0.3052, 0.1577
Android (android.graphics.Color)	4291112402 (0xFFC52DD2)
YUV	109.2580, 49.6658, 76.9497
Hunter-Lab	42.8955, 73.1173, -56.5928

Details

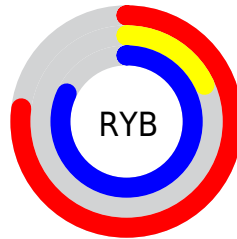
The Yxy color **18.4002, 0.3052, 0.1577** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **47.1934, 0.3055, 0.5706**, and the grayscale version is **15.2056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **7.8555, 0.2954, 0.1401** is the 20% darker color. If you saturate the color by 10%, you get **16.9593, 0.3033, 0.1488**, and if you desaturate by 10%, it is **20.6410, 0.3069, 0.1710**.

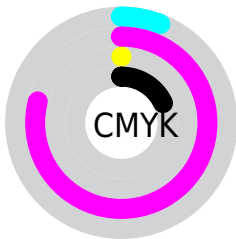
Distribution



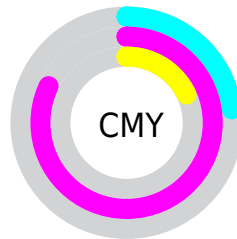
- Red (77%)
- Green (18%)
- Blue (82%)



- Red (77%)
- Yellow (18%)
- Blue (82%)



- Cyan (6%)
- Magenta (79%)
- Yellow (0%)
- Black (18%)



- Cyan (23%)
- Magenta (82%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4002, 0.3052, 0.1577 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 18.4002, 0.3052, 0.1577 by changing the saturation by 10% instead.


 18.4002, 0.3052,
0.1577


 18.4002, 0.3052,
0.1577


243.1172, 0.3142,
0.2397


 11.2377, 0.3012,
0.1393


 40.7181, 0.3098,
0.1861


 6.2269, 0.2952,
0.1172


 56.6422, 0.3111,
0.1973


 2.9836, 0.2856,
0.0907


 76.2558, 0.3121,
0.2068

 1.1232, 0.2696,
0.0599

 99.9430, 0.3128,
0.2152

 0.0000, 0.2483,
0.0000

 128.0884, 0.3133,
0.2224

 0.0000, 0.1914,
0.0000

161.0763, 0.3137,

 0.0000, 0.0000,

0.2289

0.0000

199.2911, 0.3140,
0.2346

■ 18.4002, 0.3052,
0.1577

■ 18.4002, 0.3052,
0.1577

■ 16.9593, 0.3033,
0.1488

■ 20.6410, 0.3069,
0.1710

■ 16.1539, 0.3014,
0.1438

■ 23.7835, 0.3085,
0.1884

■ 16.0612, 0.3011,
0.1432

■ 27.9172, 0.3098,
0.2092

■ 33.1200, 0.3109,
0.2325

■ 39.4621, 0.3117,
0.2573

■ 47.0077, 0.3122,
0.2828

■ 55.8163, 0.3126,
0.3080

■ 65.9433, 0.3127,
0.3323

■ 77.4410, 0.3127,
0.3553

Harmonies

Analogous

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



18.4002, 0.1737, 0.1236



18.4002, 0.3052, 0.1577



18.4002, 0.4875, 0.2209

Triad

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



18.4002, 0.3052, 0.1577



18.4002, 0.5069, 0.4931



18.4002, 0.0836, 0.2500

Complementary

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



18.4002, 0.3052, 0.1577



47.1934, 0.3055, 0.5706

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.



18.4002, 0.1346, 0.4587



18.4002, 0.3052, 0.1577



18.4002, 0.3752, 0.6188

Square

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



18.4002, 0.3052, 0.1577



18.4002, 0.6037, 0.3817



18.4002, 0.2422, 0.6482



18.4002, 0.0783, 0.1521

Rectangle

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



18.4002, 0.3052, 0.1577



18.4002, 0.5853, 0.2716



18.4002, 0.2422, 0.6482



18.4002, 0.0943, 0.3067

Sweetspot

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



18.4010, 0.3052, 0.1577



66.0737, 0.3119, 0.2684



8.3031, 0.1690, 0.0984



13.2761, 0.3117, 0.2592



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.



18.4010, 0.3052, 0.1577



25.4306, 0.3021, 0.1453



17.5049, 0.4211, 0.2279



11.9598, 0.3125, 0.3060



9.8141, 0.3014, 0.1434



0.5631, 0.3052, 0.1455

Inverse Universe

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



15.8794, 0.5688, 0.3194



21.7265, 0.6229, 0.3245



47.8726, 0.2752, 0.4852



11.8231, 0.3278, 0.3272



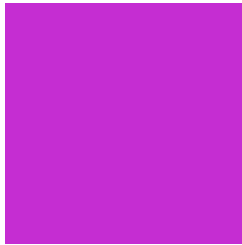
8.3874, 0.6307, 0.3248



0.4743, 0.6026, 0.3094

Previews

White Background



This preview shows how the Yxy color 18.4002, 0.3052, 0.1577 looks on a white background.

Color Contrast Check

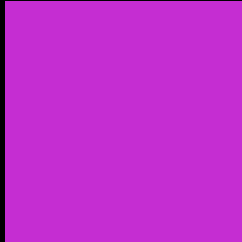
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4002, 0.3052, 0.1577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

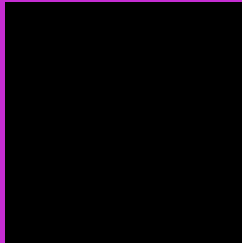
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4002, 0.3052, 0.1577

Background



This preview shows how black text looks on a background with the Yxy color 18.4002, 0.3052, 0.1577.



This preview shows how white text looks on a background with the Yxy color 18.4002, 0.3052, 0.1577.

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

18.4002, 0.3052, 0.1577

Protanopia

18.7931, 0.1737, 0.1454

Deuteranopia

18.7498, 0.2042, 0.1979



Tritanopia

18.2427, 0.4440, 0.3196

Trichromacy



Original Color

18.4002, 0.3052, 0.1577



Protanomaly

14.5162, 0.1842, 0.1279



Deuteranomaly

15.7179, 0.2259, 0.1642



Tritanomaly

17.4239, 0.3904, 0.2449

Monochromacy



Original Color

18.4002, 0.3052, 0.1577



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.3936, 0.3103, 0.2291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4002, 0.3052, 0.1577 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(197, 45, 210)` looks like.

```
.text, #text, p{  
    color:rgb(197, 45, 210)  
}
```

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(197, 45, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 45, 210) }
```

Border

The CSS property to change the border of an element to Yxy 18.4002, 0.3052, 0.1577 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(197, 45, 210) }
```

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

```
.border{ border-color:rgb(197, 45, 210) }
```

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

Here you see how a box with a 4 pixel rgb(197, 45, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 45, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 45, 210);  
box-shadow:4px 4px 4px 4px rgb(197, 45,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4002, 0.3052, 0.1577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 45, 210) }
```

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

```
.background{ background-color: rgb(197, 45,  
210) }
```

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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