

Converting Colors

$Y_{xy}(16.1812, 0.3859, 0.2190)$

Have a look what the booklet for
Yxy(16.1812, 0.3859, 0.2190)
contains.

Yxy(16.1414, 0.3852, 0.2188)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.1414, 0.3852, 0.2188)

Conversions

Conversions Part 1

Format	Color
Hex	C03893
RGB	192, 56, 147
RGB Percent	75%, 22%, 58%
CMY	0.2471, 0.7803, 0.4236
CMYK	0.00, 0.71, 0.23, 0.25
HSL	320°, 55%, 49%
HSV	320°, 71%, 75%
XYZ	28.4171, 16.1414, 29.2139
YIQ	107.0380, 51.8450, 57.1330

Conversions

Conversions Part 2

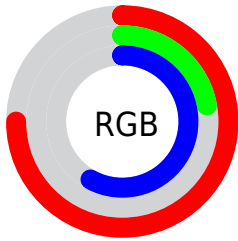
Format	Color
R_{YB}	192, 56, 147
Decimal	12597395
CIE _{Lab}	47.16, 62.10, -20.10
CIE _{LCh}	47, 65.269, 342.065
Yxy	16.1414, 0.3852, 0.2188
Android (android.graphics.Color)	4290787475 (0xFFC03893)
YUV	107.0380, 19.7013, 74.5117
Hunter-Lab	40.1764, 55.9461, -14.9887

Details

The Yxy color **16.1414, 0.3852, 0.2188** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **39.4797, 0.2817, 0.4871**, and the grayscale version is **14.6497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9471, 0.3705, 0.2414**, and **5.9129, 0.4058, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **14.4299, 0.3996, 0.2122**, and if you desaturate by 10%, it is **18.5790, 0.3713, 0.2296**.

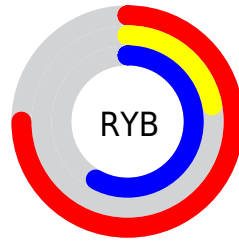
Distribution



Red (75%)

Green (22%)

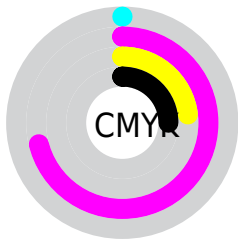
Blue (58%)



Red (75%)

Yellow (22%)

Blue (58%)

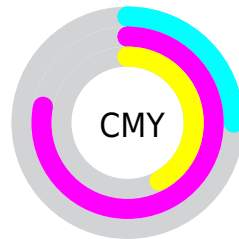


Cyan (0%)

Magenta (71%)

Yellow (23%)

Black (25%)



Cyan (25%)


Magenta (78%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1414, 0.3852, 0.2188 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 16.1414, 0.3852, 0.2188 by changing the saturation by 10% instead.


 16.1414, 0.3852,
0.2188


 16.1414, 0.3852,
0.2188


230.1746, 0.3456,
0.2777


 9.6243, 0.3962,
0.2030


 36.8435, 0.3700,
0.2410


 5.1506, 0.4111,
0.1823


 51.7973, 0.3645,
0.2491


 2.3359, 0.4320,
0.1540

 70.3320, 0.3600,
0.2559

 0.7926, 0.4635,
0.1138

 92.8322, 0.3562,
0.2616

 0.0000, 0.5447,
0.0000

 119.6821, 0.3530,
0.2665

 0.0000, 1.0000,
0.0000

151.2663, 0.3502,

 0.0000, 0.0000,

0.2707

0.0000

187.9690, 0.3477,
0.2744

■ 16.1414, 0.3852,
0.2188

■ 16.1414, 0.3852,
0.2188

■ 14.4299, 0.3996,
0.2122

■ 18.5790, 0.3713,
0.2296

■ 13.3552, 0.4139,
0.2104

■ 21.8133, 0.3584,
0.2436

■ 12.7762, 0.4268,
0.2125

■ 25.9096, 0.3467,
0.2596

■ 30.9253, 0.3364,
0.2768

■ 36.9131, 0.3274,
0.2942

■ 43.9216, 0.3197,
0.3113

■ 51.9961, 0.3132,
0.3277

■ 61.1793, 0.3077,
0.3432

■ 71.5114, 0.3032,
0.3576

Harmonies

Analogous

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



16.1414, 0.2575, 0.1733



16.1414, 0.3852, 0.2188



16.1414, 0.5084, 0.2844

Triad

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



16.1414, 0.3852, 0.2188



16.1414, 0.4306, 0.5286



16.1414, 0.1167, 0.2210

Complementary

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



16.1414, 0.3852, 0.2188



39.4797, 0.2817, 0.4871

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.



16.1414, 0.1432, 0.3358



16.1414, 0.3852, 0.2188



16.1414, 0.3215, 0.5720

Square

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



16.1414, 0.3852, 0.2188



16.1414, 0.5200, 0.4418



16.1414, 0.2156, 0.4932



16.1414, 0.1265, 0.1675

Rectangle

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



16.1414, 0.3852, 0.2188



16.1414, 0.5517, 0.3333



16.1414, 0.2156, 0.4932



16.1414, 0.1210, 0.2516

Sweetspot

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



16.1422, 0.3852, 0.2188



66.2857, 0.3278, 0.2933



9.2928, 0.2111, 0.1220



13.5394, 0.3302, 0.2885



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.



16.1422, 0.3852, 0.2188



24.9372, 0.4075, 0.2106



14.6295, 0.5073, 0.3012



10.1890, 0.3187, 0.3137



8.6121, 0.4251, 0.2116



0.3844, 0.3964, 0.1957

Inverse Universe

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



16.1422, 0.3852, 0.2188



24.9372, 0.4075, 0.2106



41.3320, 0.2454, 0.3693



10.1890, 0.3187, 0.3137



8.6121, 0.4251, 0.2116



0.3844, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 16.1414, 0.3852, 0.2188 looks on a white background.

Color Contrast Check

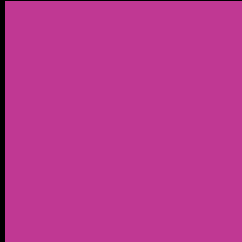
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.1414, 0.3852, 0.2188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

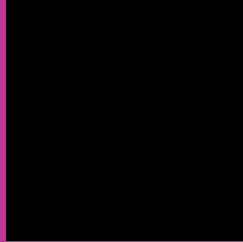
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1414, 0.3852, 0.2188

Background



This preview shows how black text looks on a background with the Yxy color 16.1414, 0.3852, 0.2188.



This preview shows how white text looks on a background with the Yxy color 16.1414, 0.3852, 0.2188.

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

16.1414, 0.3852, 0.2188

Protanopia

16.5315, 0.2126, 0.1945

Deuteranopia

16.3309, 0.2792, 0.2736



Tritanopia

16.0504, 0.4874, 0.3231

Trichromacy



Original Color

16.1414, 0.3852, 0.2188



Protanomaly

14.4333, 0.2543, 0.1913



Deuteranomaly

14.8408, 0.3140, 0.2408



Tritanomaly

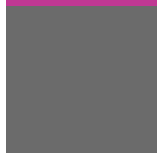
15.8251, 0.4523, 0.2829

Monochromacy



Original Color

16.1414, 0.3852, 0.2188



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.7879, 0.3400, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1414, 0.3852, 0.2188 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(192, 56, 147)` looks like.

```
.text, #text, p{  
  color:rgb(192, 56, 147)  
}
```

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(192, 56, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 56, 147) }
```

Border

The CSS property to change the border of an element to Yxy 16.1414, 0.3852, 0.2188 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(192, 56, 147) }
```

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

```
.border{ border-color:rgb(192, 56, 147) }
```

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

Here you see how a box with a 4 pixel rgb(192, 56, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 56, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 56, 147);  
box-shadow:4px 4px 4px 4px rgb(192, 56,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1414, 0.3852, 0.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 56, 147) }
```

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

```
.background{ background-color: rgb(192, 56,  
147) }
```

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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