

Converting Colors

$Yxy(9.7282, 0.4661, 0.1914)$

Have a look what the booklet for
Yxy(9.7282, 0.4661, 0.1914)
contains.

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Color

Yxy(12.6218, 0.4520, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	C10075
RGB	193, 0, 117
RGB Percent	76%, 0%, 46%
CMY	0.2430, 1.0000, 0.5411
CMYK	0.00, 1.00, 0.39, 0.24
HSL	324°, 100%, 38%
HSV	324°, 100%, 76%
XYZ	25.2101, 12.6218, 17.9427
YIQ	71.0450, 77.4710, 77.3030

Conversions

Conversions Part 2

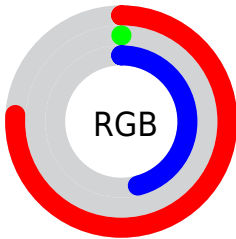
Format	Color
RYB	193, 0, 117
Decimal	12648565
CIELab	42.19, 70.44, -9.33
CIELCh	42, 71.059, 352.459
Yxy	12.6218, 0.4520, 0.2263
Android (android.graphics.Color)	4290838645 (0xFFC10075)
YUV	71.0450, 22.6558, 106.9545
Hunter-Lab	35.5272, 64.4913, -5.0749

Details

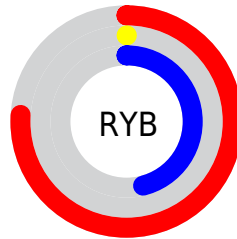
The Yxy color **12.6218, 0.4520, 0.2263** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **38.6761, 0.2820, 0.5350**, and the grayscale version is **6.2622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5910, 0.4186, 0.2493**, and **5.4162, 0.4825, 0.2432** is the 20% darker color. If you saturate the color by 10%, you get **12.6265, 0.4520, 0.2264**, and if you desaturate by 10%, it is **13.2887, 0.4343, 0.2227**.

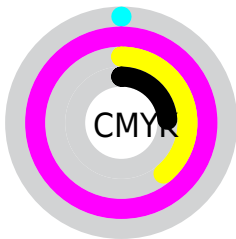
Distribution



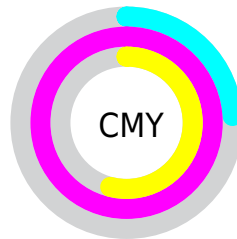
- Red (76%)
- Green (0%)
- Blue (46%)



- Red (76%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6218, 0.4520, 0.2263 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 12.6218, 0.4520, 0.2263 by changing the saturation by 10% instead.


 12.6218, 0.4520,
0.2263


 12.6218, 0.4520,
0.2263


208.4794, 0.3703,
0.2846


 7.1686, 0.4775,
0.2092


 30.6226, 0.4188,
0.2493


 3.5678, 0.5137,
0.1856


 43.9391, 0.4075,
0.2574


 1.4349, 0.5686,
0.1517

 60.6455, 0.3983,
0.2640

 0.2422, 0.6841,
0.0661

 81.1261, 0.3907,
0.2695

 0.0000, 1.0000,
0.0000

 105.7654, 0.3844,
0.2742

 0.0000, 0.0000,
0.0000

 134.9478, 0.3790,

0.2782

169.0577, 0.3743,
0.2816

■ 12.6218, 0.4520,
0.2263

■ 12.6218, 0.4520,
0.2263

■ 12.6265, 0.4520,
0.2264

■ 13.2887, 0.4343,
0.2227

■ 14.4390, 0.4162,
0.2235

■ 16.2469, 0.3983,
0.2293

■ 18.7992, 0.3813,
0.2392

■ 22.1693, 0.3656,
0.2521

■ 26.4218, 0.3517,
0.2670

■ 31.6147, 0.3395,
0.2827

■ 37.8012, 0.3290,
0.2986

■ 45.0301, 0.3202,
0.3142

Harmonies

Analogous

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



12.6218, 0.2939, 0.1683



12.6218, 0.4520, 0.2263



12.6218, 0.5731, 0.3001

Triad

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



12.6218, 0.4520, 0.2263



12.6218, 0.3934, 0.5837



12.6218, 0.0947, 0.1759

Complementary

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



12.6218, 0.4520, 0.2263



38.6761, 0.2820, 0.5350

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.



12.6218, 0.1057, 0.2766



12.6218, 0.4520, 0.2263



12.6218, 0.2696, 0.6086

Square

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



12.6218, 0.4520, 0.2263



12.6218, 0.5115, 0.4824



12.6218, 0.1632, 0.4617



12.6218, 0.1175, 0.1385

Rectangle

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



12.6218, 0.4520, 0.2263



12.6218, 0.5926, 0.3528



12.6218, 0.1632, 0.4617



12.6218, 0.0943, 0.2005

Sweetspot

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



12.6265, 0.4520, 0.2264



56.1256, 0.3400, 0.2820



5.3074, 0.1815, 0.0774



11.1554, 0.3450, 0.2752



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.



12.6265, 0.4520, 0.2264



22.5559, 0.4545, 0.2277



11.4016, 0.6262, 0.3223



10.1781, 0.3196, 0.3151



8.4111, 0.4498, 0.2252



0.3767, 0.4137, 0.2053

Inverse Universe

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



12.6265, 0.4520, 0.2264



22.5559, 0.4545, 0.2277



41.0758, 0.2350, 0.3658



10.1781, 0.3196, 0.3151



8.4111, 0.4498, 0.2252



0.3767, 0.4137, 0.2053

Previews

White Background



This preview shows how the Yxy color 12.6218, 0.4520, 0.2263 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 12.6218, 0.4520, 0.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

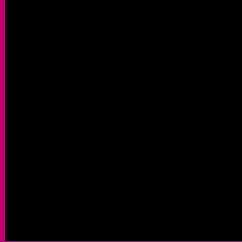
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6218, 0.4520, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 12.6218, 0.4520, 0.2263.



This preview shows how white text looks on a background with the Yxy color 12.6218, 0.4520, 0.2263.

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

12.6218, 0.4520, 0.2263

Protanopia

13.4374, 0.2173, 0.2010

Deuteranopia

13.2790, 0.3137, 0.3079



Tritanopia

12.9862, 0.5681, 0.3279

Trichromacy



Original Color

12.6218, 0.4520, 0.2263



Protanomaly

9.6883, 0.2730, 0.1796



Deuteranomaly

10.3003, 0.3667, 0.2434



Tritanomaly

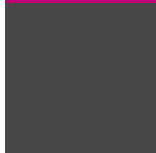
12.3069, 0.5363, 0.2885

Monochromacy



Original Color

12.6218, 0.4520, 0.2263



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.2262, 0.3770, 0.2402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6218, 0.4520, 0.2263 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(193, 0, 117)` looks like.

```
.text, #text, p{  
  color:rgb(193, 0, 117)  
}
```

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(193, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 117) }
```

Border

The CSS property to change the border of an element to Yxy 12.6218, 0.4520, 0.2263 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(193, 0, 117) }
```

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

```
.border{ border-color:rgb(193, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6218, 0.4520, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 117) }
```

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

```
.background{ background-color: rgb(193, 0,  
117) }
```

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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