

Converting Colors

$Y_{xy}(12.7613, 0.4968, 0.2511)$

Have a look what the booklet for
Yxy(12.7613, 0.4968, 0.2511)
contains.

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Color

Yxy(12.7712, 0.4958, 0.2505)

Conversions

Conversions Part 1

Format	Color
Hex	C50063
RGB	197, 0, 99
RGB Percent	77%, 0%, 39%
CMY	0.2275, 0.9998, 0.6118
CMYK	0.00, 1.00, 0.50, 0.23
HSL	330°, 100%, 39%
HSV	330°, 100%, 77%
XYZ	25.2773, 12.7712, 12.9343
YIQ	70.1890, 85.6330, 72.5530

Conversions

Conversions Part 2

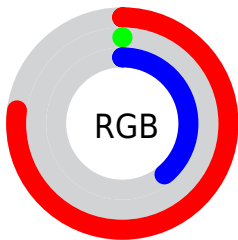
Format	Color
R_{YB}	197, 0, 99
Decimal	12910691
CIE _{Lab}	42.42, 69.74, 2.40
CIE _{LCh}	42, 69.786, 1.972
Yxy	12.7712, 0.4958, 0.2505
Android (android.graphics.Color)	4291100771 (0xFFC50063)
YUV	70.1890, 14.2038, 111.2132
Hunter-Lab	35.7368, 63.7168, 3.5567

Details

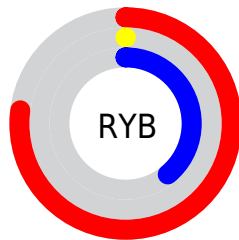
The Yxy color **12.7712, 0.4958, 0.2505** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **40.8150, 0.2728, 0.5022**, and the grayscale version is **6.1287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0855, 0.4476, 0.2694**, and **5.4913, 0.5359, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **12.7701, 0.4959, 0.2505**, and if you desaturate by 10%, it is **13.4616, 0.4721, 0.2442**.

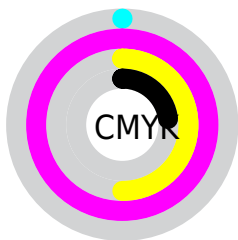
Distribution



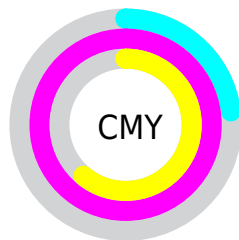
- Red (77%)
- Green (0%)
- Blue (39%)



- Red (77%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (23%)




- Cyan (23%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7712, 0.4958, 0.2505 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 12.7712, 0.4958, 0.2505 by changing the saturation by 10% instead.


 12.7712, 0.4958,
0.2505


 12.7712, 0.4958,
0.2505


209.4461, 0.3864,
0.2981


 7.2712, 0.5305,
0.2350


 30.8921, 0.4509,
0.2702


 3.6323, 0.5801,
0.2126

 44.2818, 0.4357,
0.2769


 1.4701, 0.6549,
0.1782

 61.0702, 0.4234,
0.2822

 0.2675, 0.8658,
0.0919

 81.6416, 0.4134,
0.2865

 0.0000, 1.0000,
0.0000

 106.3806, 0.4050,
0.2901

 0.0000, 0.0000,
0.0000

 135.6713, 0.3978,

0.2932

169.8984, 0.3917,
0.2958

■ 12.7712, 0.4958,
0.2505

■ 12.7712, 0.4958,
0.2505

■ 12.7701, 0.4959,
0.2505

■ 13.4616, 0.4721,
0.2442

■ 14.6737, 0.4476,
0.2426

■ 16.5835, 0.4234,
0.2462

■ 19.2826, 0.4005,
0.2539

■ 22.8488, 0.3798,
0.2646

■ 27.3501, 0.3616,
0.2771

■ 32.8480, 0.3460,
0.2904

■ 39.3985, 0.3328,
0.3037

■ 47.0534, 0.3218,
0.3167

Harmonies

Analogous

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



12.7712, 0.3413, 0.1863



12.7712, 0.4958, 0.2505



12.7712, 0.5839, 0.3260

Triad

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



12.7712, 0.4958, 0.2505



12.7712, 0.3542, 0.6000



12.7712, 0.1011, 0.1617

Complementary

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



12.7712, 0.4958, 0.2505



40.8150, 0.2728, 0.5022

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.



12.7712, 0.1011, 0.2378



12.7712, 0.4958, 0.2505



12.7712, 0.2349, 0.5735

Square

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



12.7712, 0.4958, 0.2505



12.7712, 0.4755, 0.5149



12.7712, 0.1421, 0.3956



12.7712, 0.1348, 0.1378

Rectangle

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



12.7712, 0.4958, 0.2505



12.7712, 0.5805, 0.3806



12.7712, 0.1421, 0.3956



12.7712, 0.0974, 0.1797

Sweetspot

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



12.7720, 0.4958, 0.2505



58.3062, 0.3467, 0.2897



6.4786, 0.1987, 0.0869



11.5378, 0.3531, 0.2840



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.



12.7720, 0.4958, 0.2505



22.8210, 0.4991, 0.2523



11.8786, 0.6384, 0.3291



10.7243, 0.3212, 0.3175



8.4166, 0.4930, 0.2489



0.4131, 0.4477, 0.2240

Inverse Universe

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



12.7720, 0.4958, 0.2505



22.8210, 0.4991, 0.2523



43.8142, 0.2261, 0.3338



10.7243, 0.3212, 0.3175



8.4166, 0.4930, 0.2489



0.4131, 0.4477, 0.2240

Previews

White Background



This preview shows how the Yxy color 12.7712, 0.4958, 0.2505 looks on a white background.

Color Contrast Check

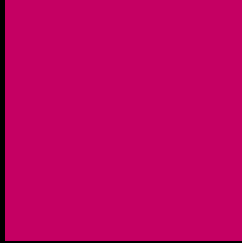
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7712, 0.4958, 0.2505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

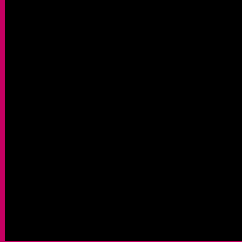
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7712, 0.4958, 0.2505

Background



This preview shows how black text looks on a background with the Yxy color 12.7712, 0.4958, 0.2505.



This preview shows how white text looks on a background with the Yxy color 12.7712, 0.4958, 0.2505.

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

12.7712, 0.4958, 0.2505

Protanopia

13.4642, 0.2507, 0.2441

Deuteranopia

13.4609, 0.3516, 0.3458



Tritanopia

13.0669, 0.5891, 0.3298

Trichromacy



Original Color

12.7712, 0.4958, 0.2505



Protanomaly

9.8662, 0.3214, 0.2155



Deuteranomaly

10.4742, 0.4128, 0.2763



Tritanomaly

12.6343, 0.5651, 0.3013

Monochromacy



Original Color

12.7712, 0.4958, 0.2505



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.1839, 0.3964, 0.2547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7712, 0.4958, 0.2505 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, 0, 99)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 99)  
}
```

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, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 99) }
```

Border

The CSS property to change the border of an element to Yxy 12.7712, 0.4958, 0.2505 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, 0, 99) }
```

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

```
.border{ border-color:rgb(197, 0, 99) }
```

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

Here you see how a box with a 4 pixel rgb(197, 0, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(197, 0, 99)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7712, 0.4958, 0.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 99) }
```

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

```
.background{ background-color: rgb(197, 0,  
99) }
```

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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