

Converting Colors

$Y_{xy}(12.5073, 0.4544, 0.2474)$

Have a look what the booklet for
Yxy(12.5073, 0.4544, 0.2474)
contains.

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Color

Yxy(12.5750, 0.4546, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	B8256B
RGB	184, 37, 107
RGB Percent	72%, 15%, 42%
CMY	0.2783, 0.8551, 0.5803
CMYK	0.00, 0.80, 0.42, 0.28
HSL	331°, 67%, 43%
HSV	331°, 80%, 72%
XYZ	23.0880, 12.5750, 15.1245
YIQ	88.9330, 65.1420, 52.9340

Conversions

Conversions Part 2

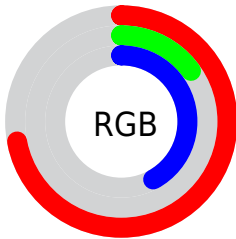
Format	Color
RYB	184, 37, 107
Decimal	12068203
CIELab	42.12, 61.48, -3.38
CIElCh	42, 61.569, 356.854
Yxy	12.5750, 0.4546, 0.2476
Android (android.graphics.Color)	4290258283 (0xFFB8256B)
YUV	88.9330, 8.9070, 83.3738
Hunter-Lab	35.4612, 54.1602, -0.4648

Details

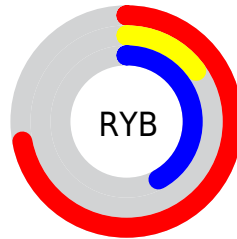
The Yxy color **12.5750, 0.4546, 0.2476** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **35.8987, 0.2665, 0.4569**, and the grayscale version is **9.9391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4371, 0.4198, 0.2670**, and **4.6862, 0.4972, 0.2513** is the 20% darker color. If you saturate the color by 10%, you get **11.5145, 0.4805, 0.2495**, and if you desaturate by 10%, it is **14.2361, 0.4289, 0.2508**.

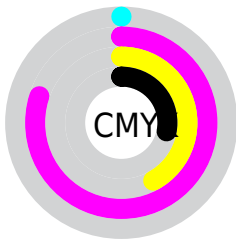
Distribution



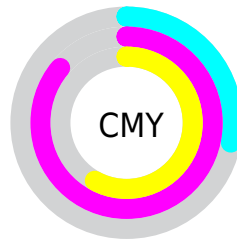
- Red (72%)
- Green (15%)
- Blue (42%)



- Red (72%)
- Yellow (15%)
- Blue (42%)



- Cyan (0%)
- Magenta (80%)
- Yellow (42%)
- Black (28%)




- Cyan (28%)
- Magenta (86%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5750, 0.4546, 0.2476 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 12.5750, 0.4546, 0.2476 by changing the saturation by 10% instead.


 12.5750, 0.4546,
0.2476


 12.5750, 0.4546,
0.2476


208.1756, 0.3700,
0.2954


 7.1366, 0.4818,
0.2326


 30.5381, 0.4198,
0.2670


 3.5476, 0.5212,
0.2113

 43.8316, 0.4080,
0.2737

 1.4239, 0.5825,
0.1790

 60.5121, 0.3985,
0.2791

 0.2342, 0.7402,
0.0839

 80.9642, 0.3908,
0.2835

 0.0000, 1.0000,
0.0000

 105.5722, 0.3843,
0.2872

 0.0000, 0.0000,
0.0000

 134.7205, 0.3788,

0.2904

168.7935, 0.3741,
0.2931

■ 12.5750, 0.4546,
0.2476

■ 12.5750, 0.4546,
0.2476

■ 11.5145, 0.4805,
0.2495

■ 14.2361, 0.4289,
0.2508

■ 10.8972, 0.5057,
0.2560

■ 16.5727, 0.4047,
0.2580

■ 10.8927, 0.5059,
0.2560

■ 19.6512, 0.3828,
0.2682

■ 23.5291, 0.3637,
0.2800

■ 28.2583, 0.3474,
0.2925

■ 33.8864, 0.3336,
0.3052

■ 40.4572, 0.3221,
0.3175

■ 48.0119, 0.3126,
0.3291

■ 56.5891, 0.3048,
0.3400

Harmonies

Analogous

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



12.5750, 0.3166, 0.1900



12.5750, 0.4546, 0.2476



12.5750, 0.5498, 0.3191

Triad

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



12.5750, 0.4546, 0.2476



12.5750, 0.3776, 0.5656



12.5750, 0.1142, 0.1852

Complementary

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



12.5750, 0.4546, 0.2476



35.8987, 0.2665, 0.4569

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.



12.5750, 0.1215, 0.2686



12.5750, 0.4546, 0.2476



12.5750, 0.2653, 0.5571

Square

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



12.5750, 0.4546, 0.2476



12.5750, 0.4823, 0.4875



12.5750, 0.1708, 0.4183



12.5750, 0.1407, 0.1542

Rectangle

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



12.5750, 0.4546, 0.2476



12.5750, 0.5615, 0.3707



12.5750, 0.1708, 0.4183



12.5750, 0.1127, 0.2060

Sweetspot

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



12.5757, 0.4546, 0.2476



56.6313, 0.3395, 0.2996



8.2888, 0.2286, 0.1175



11.4465, 0.3444, 0.2951



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



12.5757, 0.4546, 0.2476



20.0179, 0.4997, 0.2546



11.8046, 0.5859, 0.3318



9.0816, 0.3215, 0.3182



7.5189, 0.5030, 0.2545



0.2776, 0.4441, 0.2220

Inverse Universe

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



12.5757, 0.4546, 0.2476



20.0179, 0.4997, 0.2546



37.1366, 0.2279, 0.3248



9.0816, 0.3215, 0.3182



7.5189, 0.5030, 0.2545



0.2776, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 12.5750, 0.4546, 0.2476 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 12.5750, 0.4546, 0.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

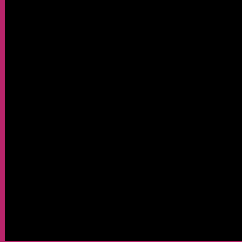
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5750, 0.4546, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 12.5750, 0.4546, 0.2476.



This preview shows how white text looks on a background with the Yxy color 12.5750, 0.4546, 0.2476.

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

12.5750, 0.4546, 0.2476

Protanopia

12.9464, 0.2441, 0.2357

Deuteranopia

12.7845, 0.3282, 0.3226



Tritanopia

12.6458, 0.5444, 0.3275

Trichromacy



Original Color

12.5750, 0.4546, 0.2476

Protanomaly

10.9452, 0.3035, 0.2258

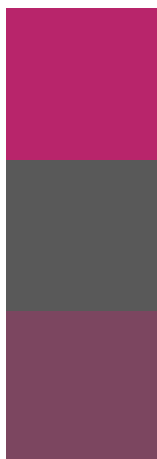
Deuteranomaly

11.3298, 0.3743, 0.2775

Tritanomaly

12.4725, 0.5158, 0.2986

Monochromacy



Original Color

12.5750, 0.4546, 0.2476

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.5099, 0.3671, 0.2768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5750, 0.4546, 0.2476 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(184, 37, 107)` looks like.

```
.text, #text, p{  
    color:rgb(184, 37, 107)  
}
```

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(184, 37, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 37, 107) }
```

Border

The CSS property to change the border of an element to Yxy 12.5750, 0.4546, 0.2476 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(184, 37, 107) }
```

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

```
.border{ border-color:rgb(184, 37, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 37, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 37, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 37, 107); box-shadow:4px 4px 4px 4px rgb(184, 37, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5750, 0.4546, 0.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 37, 107) }
```

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

```
.background{ background-color: rgb(184, 37,  
107) }
```

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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