

Converting Colors

$Y_{xy}(12.3786, 0.4509, 0.2258)$

Have a look what the booklet for
Yxy(12.3786, 0.4509, 0.2258)
contains.

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Color

Yxy(12.3373, 0.4514, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	BF0074
RGB	191, 0, 116
RGB Percent	75%, 0%, 45%
CMY	0.2509, 1.0000, 0.5450
CMYK	0.00, 1.00, 0.39, 0.25
HSL	324°, 100%, 37%
HSV	324°, 100%, 75%
XYZ	24.6418, 12.3373, 17.6107
YIQ	70.3330, 76.6000, 76.5680

Conversions

Conversions Part 2

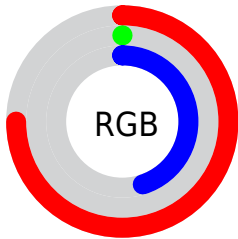
Format	Color
RYB	191, 0, 116
Decimal	12517492
CIELab	41.75, 69.91, -9.40
CIELCh	42, 70.541, 352.339
Yxy	12.3373, 0.4514, 0.2260
Android (android.graphics.Color)	4290707572 (0xFFBF0074)
YUV	70.3330, 22.5138, 105.8250
Hunter-Lab	35.1245, 63.7601, -5.1396

Details

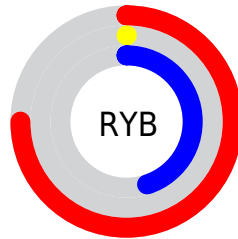
The Yxy color **12.3373, 0.4514, 0.2260** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **37.7762, 0.2820, 0.5352**, and the grayscale version is **6.1362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1782, 0.4179, 0.2496**, and **5.3229, 0.4839, 0.2439** is the 20% darker color. If you saturate the color by 10%, you get **12.3397, 0.4514, 0.2260**, and if you desaturate by 10%, it is **12.9906, 0.4337, 0.2224**.

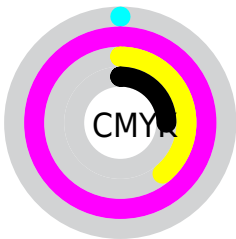
Distribution



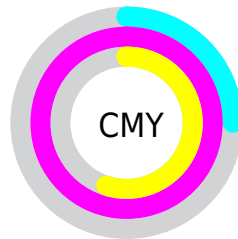
- Red (75%)
- Green (0%)
- Blue (45%)



- Red (75%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3373, 0.4514, 0.2260 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 12.3373, 0.4514, 0.2260 by changing the saturation by 10% instead.


 12.3373, 0.4514,
0.2260


 12.3373, 0.4514,
0.2260


206.6257, 0.3698,
0.2847


 6.9738, 0.4770,
0.2087


 30.1080, 0.4182,
0.2492


 3.4457, 0.5134,
0.1848

 43.2839, 0.4069,
0.2574

 1.3686, 0.5689,
0.1504

 59.8329, 0.3977,
0.2640

 0.1934, 0.6921,
0.0561

 80.1391, 0.3901,
0.2695

 0.0000, 1.0000,
0.0000

 104.5872, 0.3838,
0.2742

 0.0000, 0.0000,
0.0000

 133.5613, 0.3784,

0.2782

167.4461, 0.3738,
0.2816

■ 12.3373, 0.4514,
0.2260

■ 12.3373, 0.4514,
0.2260

■ 12.3397, 0.4514,
0.2260

■ 12.9906, 0.4337,
0.2224

■ 14.1167, 0.4158,
0.2233

■ 15.8848, 0.3980,
0.2291

■ 18.3792, 0.3810,
0.2391

■ 21.6715, 0.3654,
0.2521

■ 25.8246, 0.3515,
0.2669

■ 30.8950, 0.3394,
0.2827

■ 36.9345, 0.3290,
0.2986

■ 43.9909, 0.3201,
0.3142

Harmonies

Analogous

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



12.3373, 0.2933, 0.1681



12.3373, 0.4514, 0.2260



12.3373, 0.5729, 0.2998

Triad

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



12.3373, 0.4514, 0.2260



12.3373, 0.3941, 0.5836



12.3373, 0.0946, 0.1761

Complementary

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



12.3373, 0.4514, 0.2260



37.7762, 0.2820, 0.5352

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.



12.3373, 0.1058, 0.2771



12.3373, 0.4514, 0.2260



12.3373, 0.2701, 0.6090

Square

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



12.3373, 0.4514, 0.2260



12.3373, 0.5122, 0.4822



12.3373, 0.1635, 0.4625



12.3373, 0.1173, 0.1386

Rectangle

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



12.3373, 0.4514, 0.2260



12.3373, 0.5927, 0.3525



12.3373, 0.1635, 0.4625



12.3373, 0.0943, 0.2008

Sweetspot

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



12.3397, 0.4514, 0.2260



54.8539, 0.3399, 0.2819



5.1874, 0.1816, 0.0774



11.1565, 0.3449, 0.2751



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.



12.3397, 0.4514, 0.2260



22.0474, 0.4539, 0.2274



11.1374, 0.6261, 0.3223



9.6311, 0.3196, 0.3152



8.1242, 0.4491, 0.2248



0.3307, 0.4107, 0.2036

Inverse Universe

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



12.3397, 0.4514, 0.2260



22.0474, 0.4539, 0.2274



40.1226, 0.2350, 0.3658



9.6311, 0.3196, 0.3152



8.1242, 0.4491, 0.2248



0.3307, 0.4107, 0.2036

Previews

White Background



This preview shows how the Yxy color 12.3373, 0.4514, 0.2260 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 12.3373, 0.4514, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

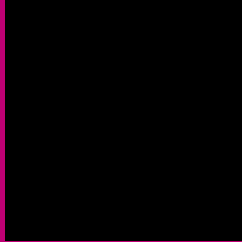
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3373, 0.4514, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 12.3373, 0.4514, 0.2260.



This preview shows how white text looks on a background with the Yxy color 12.3373, 0.4514, 0.2260.

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

12.3373, 0.4514, 0.2260

Protanopia

13.1327, 0.2174, 0.2015

Deuteranopia

13.0062, 0.3137, 0.3077



Tritanopia

12.7240, 0.5681, 0.3288

Trichromacy



Original Color

12.3373, 0.4514, 0.2260



Protanomaly

9.4750, 0.2727, 0.1787



Deuteranomaly

9.9962, 0.3655, 0.2424



Tritanomaly

12.0380, 0.5364, 0.2889

Monochromacy



Original Color

12.3373, 0.4514, 0.2260



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.1423, 0.3773, 0.2415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3373, 0.4514, 0.2260 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(191, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 116)  
}
```

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(191, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 116) }
```

Border

The CSS property to change the border of an element to Yxy 12.3373, 0.4514, 0.2260 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(191, 0, 116) }
```

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

```
.border{ border-color:rgb(191, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3373, 0.4514, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 116) }
```

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

```
.background{ background-color: rgb(191, 0,  
116) }
```

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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