

Converting Colors

$Y_{xy}(11.3830, 0.4565, 0.2232)$

Have a look what the booklet for
Yxy(11.3830, 0.4565, 0.2232)
contains.

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Color

Yxy(11.7346, 0.4546, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	BB0070
RGB	187, 0, 112
RGB Percent	73%, 0%, 44%
CMY	0.2667, 0.9998, 0.5608
CMYK	0.00, 1.00, 0.40, 0.27
HSL	324°, 100%, 37%
HSV	324°, 100%, 73%
XYZ	23.4177, 11.7346, 16.3604
YIQ	68.6810, 75.5000, 74.4760

Conversions

Conversions Part 2

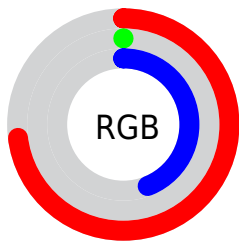
Format	Color
RYB	187, 0, 112
Decimal	12255344
CIELab	40.79, 68.66, -8.41
CIELCh	41, 69.176, 353.016
Yxy	11.7346, 0.4546, 0.2278
Android (android.graphics.Color)	4290445424 (0xFFBB0070)
YUV	68.6810, 21.3563, 103.7658
Hunter-Lab	34.2558, 62.0771, -4.3376

Details

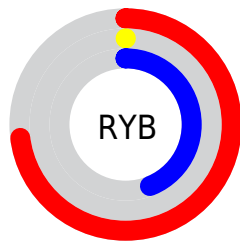
The Yxy color **11.7346, 0.4546, 0.2278** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **36.0483, 0.2812, 0.5324**, and the grayscale version is **5.8561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9774, 0.4198, 0.2504**, and **4.9594, 0.4895, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **11.7339, 0.4546, 0.2278**, and if you desaturate by 10%, it is **12.3656, 0.4364, 0.2241**.

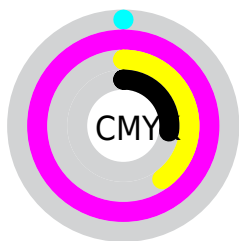
Distribution



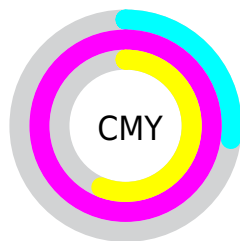
- Red (73%)
- Green (0%)
- Blue (44%)



- Red (73%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (27%)




- Cyan (27%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7346, 0.4546, 0.2278 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 11.7346, 0.4546, 0.2278 by changing the saturation by 10% instead.


 11.7346, 0.4546,
0.2278


 11.7346, 0.4546,
0.2278


202.6403, 0.3704,
0.2861

 6.5632, 0.4814,
0.2103


 29.0108, 0.4201,
0.2511


 3.1905, 0.5200,
0.1859


 41.8844, 0.4084,
0.2592


 1.2320, 0.5793,
0.1503

 58.0942, 0.3989,
0.2657

 0.0876, 0.7345,
0.0302

 78.0247, 0.3912,
0.2712

 0.0000, 1.0000,
0.0000

 102.0601, 0.3847,
0.2758

 0.0000, 0.0000,
0.0000

 130.5849, 0.3792,

0.2797

163.9835, 0.3745,
0.2831

■ 11.7346, 0.4546,
0.2278

■ 11.7346, 0.4546,
0.2278

■ 11.7339, 0.4546,
0.2278

■ 12.3656, 0.4364,
0.2241

■ 13.4477, 0.4180,
0.2249

■ 15.1420, 0.3997,
0.2306

■ 17.5285, 0.3824,
0.2404

■ 20.6749, 0.3664,
0.2532

■ 24.6409, 0.3522,
0.2679

■ 29.4802, 0.3398,
0.2834

■ 35.2419, 0.3292,
0.2991

■ 41.9713, 0.3202,
0.3144

Harmonies

Analogous

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



11.7346, 0.2966, 0.1695



11.7346, 0.4546, 0.2278



11.7346, 0.5738, 0.3017

Triad

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



11.7346, 0.4546, 0.2278



11.7346, 0.3915, 0.5853



11.7346, 0.0951, 0.1751

Complementary

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



11.7346, 0.4546, 0.2278



36.0483, 0.2812, 0.5324

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.



11.7346, 0.1055, 0.2741



11.7346, 0.4546, 0.2278



11.7346, 0.2677, 0.6067

Square

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



11.7346, 0.4546, 0.2278



11.7346, 0.5102, 0.4850



11.7346, 0.1620, 0.4575



11.7346, 0.1186, 0.1386

Rectangle

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



11.7346, 0.4546, 0.2278



11.7346, 0.5919, 0.3545



11.7346, 0.1620, 0.4575



11.7346, 0.0946, 0.1993

Sweetspot

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



11.7353, 0.4546, 0.2278



52.3209, 0.3404, 0.2826



5.0775, 0.1844, 0.0790



10.6777, 0.3455, 0.2760



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



11.7353, 0.4546, 0.2278



20.9681, 0.4573, 0.2293



10.6115, 0.6286, 0.3237



9.6297, 0.3197, 0.3153



8.0996, 0.4526, 0.2267



0.3299, 0.4131, 0.2049

Inverse Universe

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



11.7353, 0.4546, 0.2278



20.9681, 0.4573, 0.2293



38.3781, 0.2334, 0.3602



9.6297, 0.3197, 0.3153



8.0996, 0.4526, 0.2267



0.3299, 0.4131, 0.2049

Previews

White Background



This preview shows how the Yxy color 11.7346, 0.4546, 0.2278 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 11.7346, 0.4546, 0.2278 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 11.7346, 0.4546, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 11.7346, 0.4546, 0.2278.



This preview shows how white text looks on a background with the Yxy color 11.7346, 0.4546, 0.2278.

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

11.7346, 0.4546, 0.2278

Protanopia

12.5391, 0.2191, 0.2041

Deuteranopia

12.4294, 0.3165, 0.3116



Tritanopia

12.0659, 0.5686, 0.3279

Trichromacy



Original Color

11.7346, 0.4546, 0.2278



Protanomaly

9.0058, 0.2744, 0.1814



Deuteranomaly

9.5499, 0.3683, 0.2457



Tritanomaly

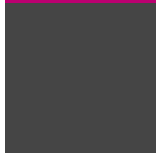
11.4631, 0.5371, 0.2892

Monochromacy



Original Color

11.7346, 0.4546, 0.2278



Achromatopsia

5.9511, 0.3127, 0.3290



Achromatomaly

5.9020, 0.3784, 0.2422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7346, 0.4546, 0.2278 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(187, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 112)  
}
```

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(187, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 112) }
```

Border

The CSS property to change the border of an element to Yxy 11.7346, 0.4546, 0.2278 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(187, 0, 112) }
```

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

```
.border{ border-color:rgb(187, 0, 112) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7346, 0.4546, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 112) }
```

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

```
.background{ background-color: rgb(187, 0,  
112) }
```

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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