

Converting Colors

$Y_{xy}(11.8891, 0.5035, 0.2548)$

Have a look what the booklet for
Yxy(11.8891, 0.5035, 0.2548)
contains.

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Color

Yxy(11.8491, 0.5042, 0.2551)

Conversions

Conversions Part 1

Format	Color
Hex	BF005C
RGB	191, 0, 92
RGB Percent	75%, 0%, 36%
CMY	0.2509, 1.0000, 0.6392
CMYK	0.00, 1.00, 0.52, 0.25
HSL	331°, 100%, 37%
HSV	331°, 100%, 75%
XYZ	23.4195, 11.8491, 11.1802
YIQ	67.5970, 84.3040, 69.1040

Conversions

Conversions Part 2

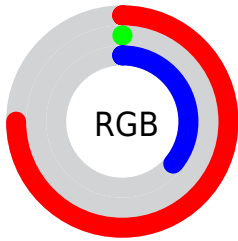
Format	Color
RYB	191, 0, 92
Decimal	12517468
CIELab	40.98, 67.88, 4.58
CIElCh	41, 68.032, 3.859
Yxy	11.8491, 0.5042, 0.2551
Android (android.graphics.Color)	4290707548 (0xFFBF005C)
YUV	67.5970, 12.0307, 108.2244
Hunter-Lab	34.4225, 61.2038, 4.8387

Details

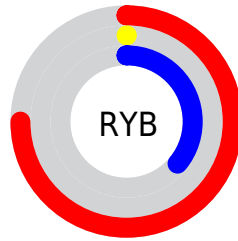
The Yxy color **11.8491, 0.5042, 0.2551** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **38.1658, 0.2708, 0.4949**, and the grayscale version is **5.6835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1763, 0.4564, 0.2742**, and **5.0305, 0.5472, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **11.8503, 0.5042, 0.2551**, and if you desaturate by 10%, it is **12.5041, 0.4794, 0.2485**.

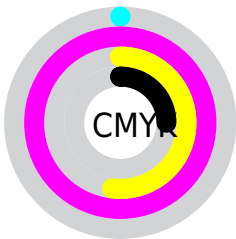
Distribution



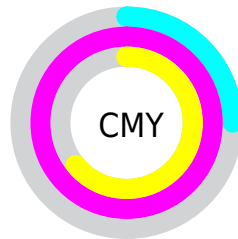
- Red (75%)
- Green (0%)
- Blue (36%)



- Red (75%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (25%)




- Cyan (25%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8491, 0.5042, 0.2551 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 11.8491, 0.5042, 0.2551 by changing the saturation by 10% instead.


 11.8491, 0.5042,
0.2551


 11.8491, 0.5042,
0.2551


203.4037, 0.3884,
0.3011


 6.6410, 0.5417,
0.2394


 29.2200, 0.4562,
0.2746


 3.2386, 0.5956,
0.2162

 42.1515, 0.4401,
0.2811

 1.2575, 0.6774,
0.1794

 58.4264, 0.4272,
0.2862

 0.1080, 0.9518,
0.0482

 78.4289, 0.4166,
0.2903

 0.0000, 1.0000,
0.0000

 102.5435, 0.4078,
0.2937

 0.0000, 0.0000,
0.0000

 131.1546, 0.4003,

0.2966

164.6465, 0.3939,
0.2990

■ 11.8491, 0.5042,
0.2551

■ 11.8491, 0.5042,
0.2551

■ 11.8503, 0.5042,
0.2551

■ 12.5041, 0.4794,
0.2485

■ 13.6422, 0.4537,
0.2466

■ 15.4316, 0.4282,
0.2497

■ 17.9573, 0.4042,
0.2570

■ 21.2912, 0.3825,
0.2673

■ 25.4966, 0.3635,
0.2792

■ 30.6304, 0.3473,
0.2920

■ 36.7447, 0.3336,
0.3048

■ 43.8877, 0.3222,
0.3172

Harmonies

Analogous

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



11.8491, 0.3511, 0.1897



11.8491, 0.5042, 0.2551



11.8491, 0.5855, 0.3310

Triad

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



11.8491, 0.5042, 0.2551



11.8491, 0.3466, 0.6030



11.8491, 0.1023, 0.1591

Complementary

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



11.8491, 0.5042, 0.2551



38.1658, 0.2708, 0.4949

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.



11.8491, 0.1002, 0.2308



11.8491, 0.5042, 0.2551



11.8491, 0.2279, 0.5655

Square

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



11.8491, 0.5042, 0.2551



11.8491, 0.4692, 0.5223



11.8491, 0.1381, 0.3834



11.8491, 0.1382, 0.1376

Rectangle

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



11.8491, 0.5042, 0.2551



11.8491, 0.5779, 0.3861



11.8491, 0.1381, 0.3834



11.8491, 0.0979, 0.1759

Sweetspot

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



11.8503, 0.5042, 0.2551



54.3786, 0.3480, 0.2913



6.3970, 0.2054, 0.0905



11.0410, 0.3546, 0.2859



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.



11.8503, 0.5042, 0.2551



21.1734, 0.5077, 0.2570



11.1465, 0.6389, 0.3309



9.6109, 0.3215, 0.3180



7.8033, 0.5011, 0.2534



0.3189, 0.4469, 0.2235

Inverse Universe

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



11.8503, 0.5042, 0.2551



21.1734, 0.5077, 0.2570



39.6534, 0.2232, 0.3237



9.6109, 0.3215, 0.3180



7.8033, 0.5011, 0.2534



0.3189, 0.4469, 0.2235

Previews

White Background



This preview shows how the Yxy color 11.8491, 0.5042, 0.2551 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 11.8491, 0.5042, 0.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

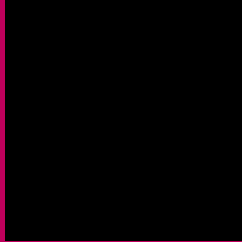
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8491, 0.5042, 0.2551

Background



This preview shows how black text looks on a background with the Yxy color 11.8491, 0.5042, 0.2551.



This preview shows how white text looks on a background with the Yxy color 11.8491, 0.5042, 0.2551.

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

11.8491, 0.5042, 0.2551

Protanopia

12.5527, 0.2585, 0.2550

Deuteranopia

12.4019, 0.3594, 0.3528



Tritanopia

12.2693, 0.5918, 0.3306

Trichromacy



Original Color

11.8491, 0.5042, 0.2551

Protanomaly

9.1889, 0.3318, 0.2242

Deuteranomaly

9.6706, 0.4227, 0.2821

Tritanomaly

11.8859, 0.5708, 0.3046

Monochromacy



Original Color

11.8491, 0.5042, 0.2551

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.7743, 0.4015, 0.2572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8491, 0.5042, 0.2551 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 92) }
```

Border

The CSS property to change the border of an element to Yxy 11.8491, 0.5042, 0.2551 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, 92) }
```

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

```
.border{ border-color:rgb(191, 0, 92) }
```

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, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 92);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 92)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8491, 0.5042, 0.2551 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, 92) }
```

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

```
.background{ background-color: rgb(191, 0,  
92) }
```

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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