

Converting Colors

$Y_{xy}(11.7502, 0.5220, 0.2649)$

Have a look what the booklet for
Yxy(11.7502, 0.5220, 0.2649)
contains.

Yxy(11.7165, 0.5219, 0.2649)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.7165, 0.5219, 0.2649)

Conversions

Conversions Part 1

Format	Color
Hex	BF0054
RGB	191, 0, 84
RGB Percent	75%, 0%, 33%
CMY	0.2510, 0.9996, 0.6706
CMYK	0.00, 1.00, 0.56, 0.25
HSL	334°, 100%, 37%
HSV	334°, 100%, 75%
XYZ	23.0836, 11.7165, 9.4298
YIQ	66.6850, 86.8720, 66.6160

Conversions

Conversions Part 2

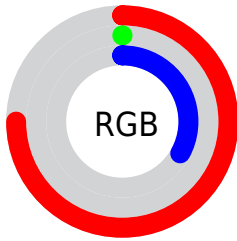
Format	Color
R_{YB}	191, 0, 84
Decimal	12517460
CIE _{Lab}	40.76, 67.29, 9.38
CIE _{LCh}	41, 67.942, 7.935
Yxy	11.7165, 0.5219, 0.2649
Android (android.graphics.Color)	4290707540 (0xFFBF0054)
YUV	66.6850, 8.5363, 109.0243
Hunter-Lab	34.2294, 60.4753, 7.6268

Details

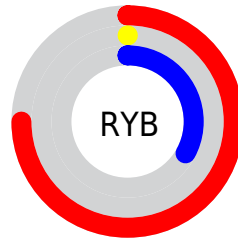
The Yxy color **11.7165, 0.5219, 0.2649** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **38.3211, 0.2667, 0.4801**, and the grayscale version is **5.5470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9167, 0.4694, 0.2833**, and **4.8990, 0.5662, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **11.7137, 0.5221, 0.2650**, and if you desaturate by 10%, it is **12.3685, 0.4949, 0.2575**.

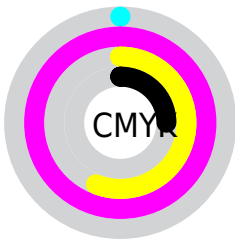
Distribution



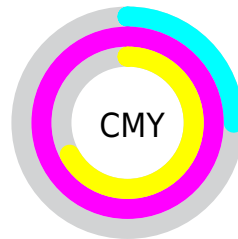
- Red (75%)
- Green (0%)
- Blue (33%)



- Red (75%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7165, 0.5219, 0.2649 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 11.7165, 0.5219, 0.2649 by changing the saturation by 10% instead.


 11.7165, 0.5219,
0.2649


 11.7165, 0.5219,
0.2649


202.5193, 0.3949,
0.3068


 6.5509, 0.5629,
0.2496


 28.9777, 0.4693,
0.2833


 3.1829, 0.6215,
0.2261

 41.8421, 0.4515,
0.2892

 1.2279, 0.7125,
0.1888

 58.0417, 0.4373,
0.2938

 0.0844, 0.9608,
0.0392

 77.9607, 0.4257,
0.2974

 0.0000, 1.0000,
0.0000

 101.9835, 0.4161,
0.3004

 0.0000, 0.0000,
0.0000

 130.4947, 0.4079,

0.3029

163.8785, 0.4010,
0.3050

■ 11.7165, 0.5219,
0.2649

■ 11.7165, 0.5219,
0.2649

■ 11.7137, 0.5221,
0.2650

■ 12.3685, 0.4949,
0.2575

■ 13.5093, 0.4667,
0.2547

■ 15.3053, 0.4386,
0.2570

■ 17.8416, 0.4121,
0.2633

■ 21.1904, 0.3883,
0.2726

■ 25.4149, 0.3675,
0.2835

■ 30.5723, 0.3499,
0.2952

■ 36.7147, 0.3351,
0.3069

■ 43.8906, 0.3228,
0.3183

Harmonies

Analogous

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



11.7165, 0.3725, 0.1972



11.7165, 0.5219, 0.2649



11.7165, 0.5883, 0.3417

Triad

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



11.7165, 0.5219, 0.2649



11.7165, 0.3299, 0.6087



11.7165, 0.1048, 0.1535

Complementary

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



11.7165, 0.5219, 0.2649



38.3211, 0.2667, 0.4801

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.



11.7165, 0.0981, 0.2167



11.7165, 0.5219, 0.2649



11.7165, 0.2128, 0.5467

Square

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



11.7165, 0.5219, 0.2649



11.7165, 0.4537, 0.5367



11.7165, 0.1296, 0.3578



11.7165, 0.1458, 0.1370

Rectangle

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



11.7165, 0.5219, 0.2649



11.7165, 0.5717, 0.3981



11.7165, 0.1296, 0.3578



11.7165, 0.0990, 0.1680

Sweetspot

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



11.7172, 0.5219, 0.2649



54.2248, 0.3507, 0.2946



6.7725, 0.2123, 0.0943



11.0038, 0.3580, 0.2895



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.



11.7172, 0.5219, 0.2649



20.9353, 0.5258, 0.2670



11.2847, 0.6365, 0.3327



9.6041, 0.3221, 0.3190



7.7148, 0.5188, 0.2631



0.3154, 0.4596, 0.2306

Inverse Universe

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



11.7172, 0.5219, 0.2649



20.9353, 0.5258, 0.2670



36.9906, 0.2204, 0.3133



9.6041, 0.3221, 0.3190



7.7148, 0.5188, 0.2631



0.3154, 0.4596, 0.2306

Previews

White Background



This preview shows how the Yxy color 11.7165, 0.5219, 0.2649 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 11.7165, 0.5219, 0.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

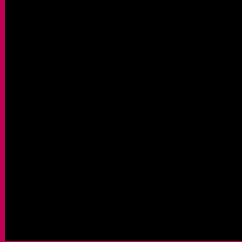
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7165, 0.5219, 0.2649

Background



This preview shows how black text looks on a background with the Yxy color 11.7165, 0.5219, 0.2649.



This preview shows how white text looks on a background with the Yxy color 11.7165, 0.5219, 0.2649.

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

11.7165, 0.5219, 0.2649

Protanopia

12.4677, 0.2753, 0.2769

Deuteranopia

12.4192, 0.3751, 0.3697



Tritanopia

12.0727, 0.5978, 0.3305

Trichromacy



Original Color

11.7165, 0.5219, 0.2649



Protanomaly

9.1951, 0.3555, 0.2424



Deuteranomaly

9.6359, 0.4418, 0.2966



Tritanomaly

11.7689, 0.5787, 0.3076

Monochromacy



Original Color

11.7165, 0.5219, 0.2649



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.6535, 0.4100, 0.2650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7165, 0.5219, 0.2649 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 84) }
```

Border

The CSS property to change the border of an element to Yxy 11.7165, 0.5219, 0.2649 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, 84) }
```

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

```
.border{ border-color:rgb(191, 0, 84) }
```

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, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7165, 0.5219, 0.2649 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, 84) }
```

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

```
.background{ background-color: rgb(191, 0,  
84) }
```

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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