

Converting Colors

$Y_{xy}(11.7023, 0.5288, 0.2687)$

Have a look what the booklet for
Yxy(11.7023, 0.5288, 0.2687)
contains.

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Color

Yxy(11.6704, 0.5285, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	BF0051
RGB	191, 0, 81
RGB Percent	75%, 0%, 32%
CMY	0.2510, 0.9999, 0.6824
CMYK	0.00, 1.00, 0.58, 0.25
HSL	335°, 100%, 37%
HSV	335°, 100%, 75%
XYZ	22.9713, 11.6704, 8.8234
YIQ	66.3430, 87.8350, 65.6830

Conversions

Conversions Part 2

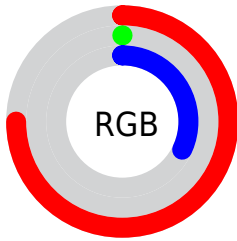
Format	Color
RYB	191, 0, 81
Decimal	12517457
CIELab	40.69, 67.11, 11.19
CIELCh	41, 68.033, 9.466
Yxy	11.6704, 0.5285, 0.2685
Android (android.graphics.Color)	4290707537 (0xFFBF0051)
YUV	66.3430, 7.2259, 109.3242
Hunter-Lab	34.1620, 60.2443, 8.5998

Details

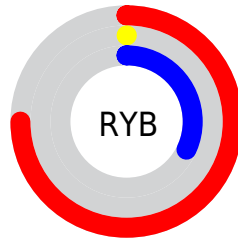
The Yxy color **11.6704, 0.5285, 0.2685** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **38.3900, 0.2652, 0.4747**, and the grayscale version is **5.4841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8350, 0.4737, 0.2863**, and **4.8794, 0.5744, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **11.6705, 0.5285, 0.2685**, and if you desaturate by 10%, it is **12.3191, 0.5008, 0.2609**.

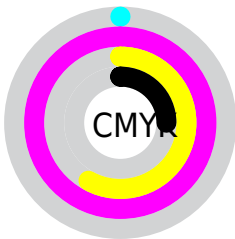
Distribution



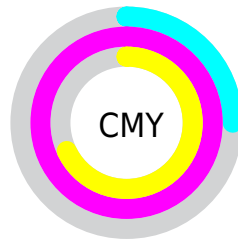
- Red (75%)
- Green (0%)
- Blue (32%)



- Red (75%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (25%)




- Cyan (25%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6704, 0.5285, 0.2685 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 11.6704, 0.5285, 0.2685 by changing the saturation by 10% instead.


 11.6704, 0.5285,
0.2685

 11.6704, 0.5285,
0.2685


202.2109, 0.3974,
0.3089


 6.5197, 0.5707,
0.2533


 28.8934, 0.4742,
0.2865


 3.1636, 0.6309,
0.2297

 41.7344, 0.4559,
0.2922


 1.2177, 0.7272,
0.1927

 57.9076, 0.4412,
0.2966

 0.0761, 0.9641,
0.0359

 77.7975, 0.4292,
0.3001

 0.0000, 1.0000,
0.0000

 101.7883, 0.4192,
0.3029

 0.0000, 0.0000,
0.0000

 130.2646, 0.4108,

0.3053

163.6106, 0.4036,
0.3073

■ 11.6704, 0.5285,
0.2685

■ 11.6704, 0.5285,
0.2685

■ 11.6705, 0.5285,
0.2685

■ 12.3191, 0.5008,
0.2609

■ 13.4562, 0.4718,
0.2577

■ 15.2496, 0.4427,
0.2596

■ 17.7844, 0.4152,
0.2656

■ 21.1330, 0.3906,
0.2745

■ 25.3587, 0.3691,
0.2850

■ 30.5190, 0.3509,
0.2963

■ 36.6659, 0.3357,
0.3076

■ 43.8481, 0.3231,
0.3186

Harmonies

Analogous

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



11.6704, 0.3808, 0.1999



11.6704, 0.5285, 0.2685



11.6704, 0.5891, 0.3456

Triad

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



11.6704, 0.5285, 0.2685



11.6704, 0.3236, 0.6106



11.6704, 0.1057, 0.1514

Complementary

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



11.6704, 0.5285, 0.2685



38.3900, 0.2652, 0.4747

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.



11.6704, 0.0973, 0.2115



11.6704, 0.5285, 0.2685



11.6704, 0.2071, 0.5393

Square

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



11.6704, 0.5285, 0.2685



11.6704, 0.4478, 0.5423



11.6704, 0.1264, 0.3484



11.6704, 0.1487, 0.1368

Rectangle

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



11.6704, 0.5285, 0.2685



11.6704, 0.5693, 0.4028



11.6704, 0.1264, 0.3484



11.6704, 0.0993, 0.1651

Sweetspot

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



11.6711, 0.5285, 0.2685



54.1693, 0.3517, 0.2957



6.9656, 0.2157, 0.0962



10.9904, 0.3592, 0.2909



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.



11.6711, 0.5285, 0.2685



20.8549, 0.5323, 0.2706



11.3584, 0.6354, 0.3337



9.6017, 0.3224, 0.3193



7.6848, 0.5251, 0.2667



0.3141, 0.4644, 0.2332

Inverse Universe

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



11.6711, 0.5285, 0.2685



20.8549, 0.5323, 0.2706



35.7108, 0.2189, 0.3080



9.6017, 0.3224, 0.3193



7.6848, 0.5251, 0.2667



0.3141, 0.4644, 0.2332

Previews

White Background



This preview shows how the Yxy color 11.6704, 0.5285, 0.2685 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 11.6704, 0.5285, 0.2685 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 11.6704, 0.5285, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 11.6704, 0.5285, 0.2685.



This preview shows how white text looks on a background with the Yxy color 11.6704, 0.5285, 0.2685.

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

11.6704, 0.5285, 0.2685

Protanopia

12.4231, 0.2813, 0.2851

Deuteranopia

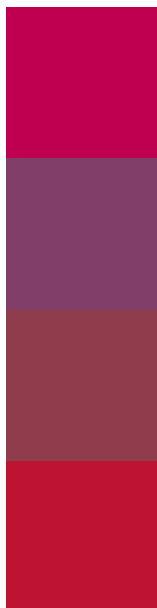
12.1995, 0.3805, 0.3741



Tritanopia

11.9508, 0.6015, 0.3305

Trichromacy



Original Color

11.6704, 0.5285, 0.2685

Protanomaly

9.1323, 0.3613, 0.2476

Deuteranomaly

9.5932, 0.4483, 0.3019

Tritanomaly

11.6692, 0.5845, 0.3095

Monochromacy



Original Color

11.6704, 0.5285, 0.2685

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.4904, 0.4140, 0.2667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6704, 0.5285, 0.2685 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 81) }
```

Border

The CSS property to change the border of an element to Yxy 11.6704, 0.5285, 0.2685 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, 81) }
```

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

```
.border{ border-color:rgb(191, 0, 81) }
```

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, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 81);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6704, 0.5285, 0.2685 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, 81) }
```

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

```
.background{ background-color: rgb(191, 0,  
81) }
```

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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