

Converting Colors

$Y_{xy}(10.7932, 0.5203, 0.2464)$

Have a look what the booklet for
Yxy(10.7932, 0.5203, 0.2464)
contains.

Yxy(11.7809, 0.5131, 0.2600)	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(11.7809, 0.5131, 0.2600)

Conversions

Conversions Part 1

Format	Color
Hex	BF0058
RGB	191, 0, 88
RGB Percent	75%, 0%, 35%
CMY	0.2509, 1.0000, 0.6549
CMYK	0.00, 1.00, 0.54, 0.25
HSL	332°, 100%, 37%
HSV	332°, 100%, 75%
XYZ	23.2492, 11.7809, 10.2811
YIQ	67.1410, 85.5880, 67.8600

Conversions

Conversions Part 2

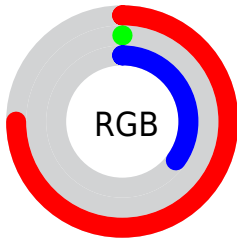
Format	Color
R_{YB}	191, 0, 88
Decimal	12517464
CIE _{Lab}	40.87, 67.59, 6.97
CIE _{LCh}	41, 67.946, 5.889
Yxy	11.7809, 0.5131, 0.2600
Android (android.graphics.Color)	4290707544 (0xFFBF0058)
YUV	67.1410, 10.2835, 108.6243
Hunter-Lab	34.3233, 60.8425, 6.2668

Details

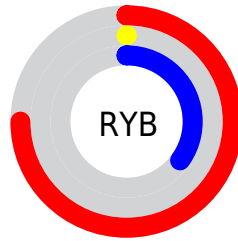
The Yxy color **11.7809, 0.5131, 0.2600** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **38.2453, 0.2688, 0.4876**, and the grayscale version is **5.6100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0583, 0.4622, 0.2782**, and **4.9202, 0.5577, 0.2846** is the 20% darker color. If you saturate the color by 10%, you get **11.7822, 0.5131, 0.2600**, and if you desaturate by 10%, it is **12.4343, 0.4872, 0.2530**.

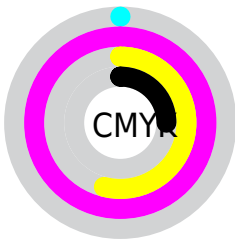
Distribution



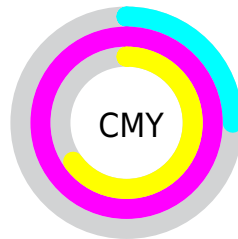
- Red (75%)
- Green (0%)
- Blue (35%)



- Red (75%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7809, 0.5131, 0.2600 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 11.7809, 0.5131, 0.2600 by changing the saturation by 10% instead.


 11.7809, 0.5131,
0.2600


 11.7809, 0.5131,
0.2600


202.9493, 0.3917,
0.3040


 6.5947, 0.5524,
0.2445


 29.0954, 0.4628,
0.2790


 3.2099, 0.6088,
0.2212

 41.9925, 0.4458,
0.2851


 1.2423, 0.6943,
0.1839

 58.2287, 0.4323,
0.2899

 0.0958, 0.9563,
0.0437

 78.1883, 0.4212,
0.2938

 0.0000, 1.0000,
0.0000

 102.2558, 0.4119,
0.2971

 0.0000, 0.0000,
0.0000

 130.8155, 0.4041,

0.2997

164.2519, 0.3974,
0.3020

■ 11.7809, 0.5131,
0.2600

■ 11.7809, 0.5131,
0.2600

■ 11.7822, 0.5131,
0.2600

■ 12.4343, 0.4872,
0.2530

■ 13.5724, 0.4602,
0.2506

■ 15.3635, 0.4334,
0.2533

■ 17.8927, 0.4082,
0.2601

■ 21.2322, 0.3854,
0.2699

■ 25.4451, 0.3655,
0.2813

■ 30.5887, 0.3486,
0.2935

■ 36.7149, 0.3343,
0.3058

■ 43.8722, 0.3225,
0.3177

Harmonies

Analogous

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



11.7809, 0.3617, 0.1934



11.7809, 0.5131, 0.2600



11.7809, 0.5870, 0.3363

Triad

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



11.7809, 0.5131, 0.2600



11.7809, 0.3383, 0.6060



11.7809, 0.1035, 0.1562

Complementary

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



11.7809, 0.5131, 0.2600



38.2453, 0.2688, 0.4876

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.



11.7809, 0.0991, 0.2237



11.7809, 0.5131, 0.2600



11.7809, 0.2204, 0.5564

Square

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



11.7809, 0.5131, 0.2600



11.7809, 0.4615, 0.5295



11.7809, 0.1338, 0.3705



11.7809, 0.1420, 0.1373

Rectangle

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



11.7809, 0.5131, 0.2600



11.7809, 0.5749, 0.3921



11.7809, 0.1338, 0.3705



11.7809, 0.0984, 0.1719

Sweetspot

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



11.7822, 0.5131, 0.2600



54.3019, 0.3493, 0.2929



6.5793, 0.2088, 0.0924



11.0224, 0.3563, 0.2877



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.



11.7822, 0.5131, 0.2600



21.0518, 0.5167, 0.2620



11.2158, 0.6378, 0.3318



9.6075, 0.3218, 0.3185



7.7581, 0.5099, 0.2583



0.3171, 0.4532, 0.2270

Inverse Universe

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



11.7822, 0.5131, 0.2600



21.0518, 0.5167, 0.2620



38.3106, 0.2218, 0.3185



9.6075, 0.3218, 0.3185



7.7581, 0.5099, 0.2583



0.3171, 0.4532, 0.2270

Previews

White Background



This preview shows how the Yxy color 11.7809, 0.5131, 0.2600 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 11.7809, 0.5131, 0.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

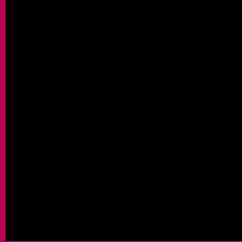
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7809, 0.5131, 0.2600

Background



This preview shows how black text looks on a background with the Yxy color 11.7809, 0.5131, 0.2600.



This preview shows how white text looks on a background with the Yxy color 11.7809, 0.5131, 0.2600.

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

11.7809, 0.5131, 0.2600

Protanopia

12.5180, 0.2661, 0.2648

Deuteranopia

12.4084, 0.3672, 0.3614



Tritanopia

12.1364, 0.5958, 0.3306

Trichromacy



Original Color

11.7809, 0.5131, 0.2600



Protanomaly

9.1495, 0.3425, 0.2329



Deuteranomaly

9.6959, 0.4331, 0.2895



Tritanomaly

11.7873, 0.5752, 0.3056

Monochromacy



Original Color

11.7809, 0.5131, 0.2600



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.6805, 0.4047, 0.2608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7809, 0.5131, 0.2600 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, 88)` looks like.

```
.text, #text, p{  
  color:rgb(191, 0, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 88) }
```

Border

The CSS property to change the border of an element to Yxy 11.7809, 0.5131, 0.2600 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, 88) }
```

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

```
.border{ border-color:rgb(191, 0, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 88);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 88)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7809, 0.5131, 0.2600 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, 88) }
```

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

```
.background{ background-color: rgb(191, 0,  
88) }
```

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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