

Converting Colors

$Yxy(8.3643, 0.4541, 0.1805)$

Have a look what the booklet for
Yxy(8.3643, 0.4541, 0.1805)
contains.

Yxy(11.2060, 0.4388, 0.2191)	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(11.2060, 0.4388, 0.2191)

Conversions

Conversions Part 1

Format	Color
Hex	B60074
RGB	182, 0, 116
RGB Percent	71%, 0%, 45%
CMY	0.2863, 0.9998, 0.5452
CMYK	0.00, 1.00, 0.36, 0.29
HSL	322°, 100%, 36%
HSV	322°, 100%, 71%
XYZ	22.4427, 11.2060, 17.4969
YIQ	67.6420, 71.2360, 74.6600

Conversions

Conversions Part 2

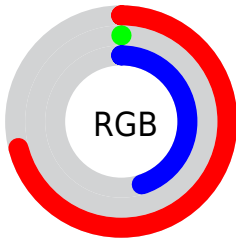
Format	Color
RYB	182, 0, 116
Decimal	11927668
CIELab	39.93, 67.98, -12.31
CIElCh	40, 69.089, 349.736
Yxy	11.2060, 0.4388, 0.2191
Android (android.graphics.Color)	4290117748 (0xFFB60074)
YUV	67.6420, 23.8405, 100.2920
Hunter-Lab	33.4754, 61.0888, -7.5570

Details

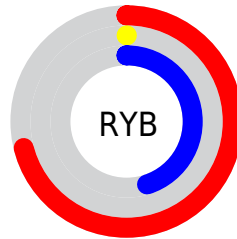
The Yxy color **11.2060, 0.4388, 0.2191** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **33.8501, 0.2842, 0.5431**, and the grayscale version is **5.6777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0450, 0.4078, 0.2441**, and **4.6283, 0.4672, 0.2347** is the 20% darker color. If you saturate the color by 10%, you get **11.2050, 0.4388, 0.2191**, and if you desaturate by 10%, it is **11.8055, 0.4229, 0.2165**.

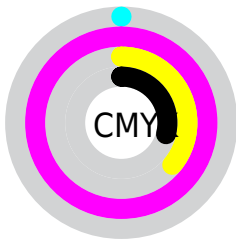
Distribution



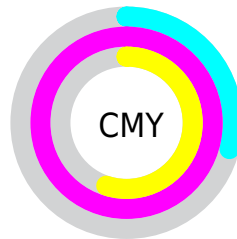
- Red (71%)
- Green (0%)
- Blue (45%)



- Red (71%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2060, 0.4388, 0.2191 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 11.2060, 0.4388, 0.2191 by changing the saturation by 10% instead.


 11.2060, 0.4388,
0.2191


 11.2060, 0.4388,
0.2191


199.0754, 0.3643,
0.2817


 6.2056, 0.4624,
0.2006


 28.0405, 0.4084,
0.2439


 2.9705, 0.4962,
0.1752

 40.6433, 0.3980,
0.2526


 1.1163, 0.5482,
0.1386

 56.5490, 0.3897,
0.2597

 0.0000, 0.6948,
0.0000

 76.1421, 0.3828,
0.2656

 0.0000, 1.0000,
0.0000

 99.8069, 0.3770,
0.2705

 0.0000, 0.0000,
0.0000

 127.9278, 0.3721,

0.2748

160.8892, 0.3679,
0.2785

■ 11.2060, 0.4388,
0.2191

■ 11.2060, 0.4388,
0.2191

■ 11.2050, 0.4388,
0.2191

■ 11.8055, 0.4229,
0.2165

■ 12.8243, 0.4068,
0.2182

■ 14.4162, 0.3907,
0.2247

■ 16.6557, 0.3754,
0.2353

■ 19.6061, 0.3613,
0.2489

■ 23.3232, 0.3485,
0.2643

■ 27.8570, 0.3374,
0.2807

■ 33.2533, 0.3278,
0.2973

■ 39.5546, 0.3196,
0.3135

Harmonies

Analogous

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



11.2060, 0.2806, 0.1631



11.2060, 0.4388, 0.2191



11.2060, 0.5689, 0.2924

Triad

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



11.2060, 0.4388, 0.2191



11.2060, 0.4062, 0.5800



11.2060, 0.0927, 0.1804

Complementary

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



11.2060, 0.4388, 0.2191



33.8501, 0.2842, 0.5431

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.



11.2060, 0.1071, 0.2894



11.2060, 0.4388, 0.2191



11.2060, 0.2795, 0.6166

Square

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



11.2060, 0.4388, 0.2191



11.2060, 0.5233, 0.4742



11.2060, 0.1696, 0.4820



11.2060, 0.1127, 0.1387

Rectangle

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



11.2060, 0.4388, 0.2191



11.2060, 0.5955, 0.3447



11.2060, 0.1696, 0.4820



11.2060, 0.0933, 0.2072

Sweetspot

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



11.2066, 0.4388, 0.2191



50.0246, 0.3380, 0.2798



4.4596, 0.1770, 0.0749



10.2522, 0.3425, 0.2729



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



11.2066, 0.4388, 0.2191



20.2680, 0.4413, 0.2205



10.0269, 0.6191, 0.3185



9.1059, 0.3191, 0.3145



7.9260, 0.4371, 0.2182



0.2908, 0.4000, 0.1977

Inverse Universe

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



11.2066, 0.4388, 0.2191



20.2680, 0.4413, 0.2205



35.8127, 0.2380, 0.3768



9.1059, 0.3191, 0.3145



7.9260, 0.4371, 0.2182



0.2908, 0.4000, 0.1977

Previews

White Background



This preview shows how the Yxy color 11.2060, 0.4388, 0.2191 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 11.2060, 0.4388, 0.2191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

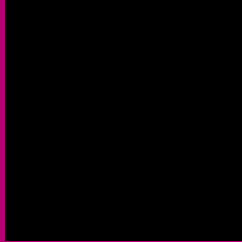
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2060, 0.4388, 0.2191

Background



This preview shows how black text looks on a background with the Yxy color 11.2060, 0.4388, 0.2191.



This preview shows how white text looks on a background with the Yxy color 11.2060, 0.4388, 0.2191.

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

11.2060, 0.4388, 0.2191

Protanopia

11.8824, 0.2086, 0.1897

Deuteranopia

11.8548, 0.3037, 0.2981



Tritanopia

11.6242, 0.5614, 0.3287

Trichromacy



Original Color

11.2060, 0.4388, 0.2191



Protanomaly

8.5580, 0.2594, 0.1689



Deuteranomaly

9.1252, 0.3520, 0.2346



Tritanomaly

10.9303, 0.5273, 0.2853

Monochromacy



Original Color

11.2060, 0.4388, 0.2191



Achromatopsia

5.7805, 0.3127, 0.3290



Achromatomaly

5.6348, 0.3723, 0.2381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2060, 0.4388, 0.2191 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(182, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 116)  
}
```

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(182, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 116) }
```

Border

The CSS property to change the border of an element to Yxy 11.2060, 0.4388, 0.2191 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(182, 0, 116) }
```

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

```
.border{ border-color:rgb(182, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(182, 0,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2060, 0.4388, 0.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 116) }
```

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

```
.background{ background-color: rgb(182, 0,  
116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor