

Converting Colors

$Y_{xy}(9.4643, 0.4506, 0.2020)$

Have a look what the booklet for
Yxy(9.4643, 0.4506, 0.2020)
contains.

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Color

Yxy(10.8956, 0.4425, 0.2211)

Conversions

Conversions Part 1

Format	Color
Hex	B40071
RGB	180, 0, 113
RGB Percent	71%, 0%, 44%
CMY	0.2941, 1.0000, 0.5568
CMYK	0.00, 1.00, 0.37, 0.29
HSL	322°, 100%, 35%
HSV	322°, 100%, 71%
XYZ	21.8060, 10.8956, 16.5775
YIQ	66.7020, 71.0070, 73.3030

Conversions

Conversions Part 2

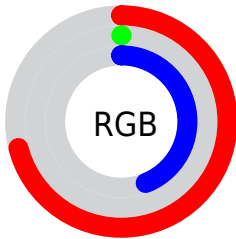
Format	Color
R_{YB}	180, 0, 113
Decimal	11796593
CIE _{Lab}	39.40, 67.28, -11.27
CIE _{LCh}	39, 68.217, 350.490
Yxy	10.8956, 0.4425, 0.2211
Android (android.graphics.Color)	4289986673 (0xFFB40071)
YUV	66.7020, 22.8249, 99.3623
Hunter-Lab	33.0085, 60.1554, -6.6706

Details

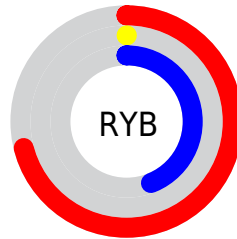
The Yxy color **10.8956, 0.4425, 0.2211** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **33.0544, 0.2834, 0.5404**, and the grayscale version is **5.5194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4284, 0.4101, 0.2455**, and **4.4466, 0.4732, 0.2380** is the 20% darker color. If you saturate the color by 10%, you get **10.8976, 0.4425, 0.2211**, and if you desaturate by 10%, it is **11.4868, 0.4260, 0.2183**.

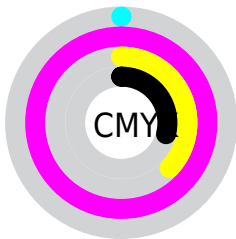
Distribution



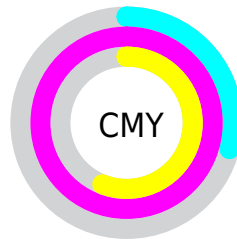
- Red (71%)
- Green (0%)
- Blue (44%)



- Red (71%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (29%)




- Cyan (29%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8956, 0.4425, 0.2211 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 10.8956, 0.4425, 0.2211 by changing the saturation by 10% instead.


 10.8956, 0.4425,
0.2211


 10.8956, 0.4425,
0.2211


196.9499, 0.3653,
0.2830


 5.9967, 0.4672,
0.2026


 27.4670, 0.4108,
0.2458


 2.8431, 0.5029,
0.1769

 39.9082, 0.4001,
0.2544

 1.0504, 0.5583,
0.1396

 55.6323, 0.3914,
0.2614

 0.0000, 0.7172,
0.0000

 75.0237, 0.3843,
0.2672

 0.0000, 1.0000,
0.0000

 98.4667, 0.3784,
0.2721

 0.0000, 0.0000,
0.0000

 126.3458, 0.3734,

0.2763

159.0454, 0.3690,
0.2799

■ 10.8956, 0.4425,
0.2211

■ 10.8956, 0.4425,
0.2211

■ 10.8976, 0.4425,
0.2211

■ 11.4868, 0.4260,
0.2183

■ 12.4840, 0.4094,
0.2198

■ 14.0404, 0.3928,
0.2262

■ 16.2286, 0.3770,
0.2366

■ 19.1102, 0.3625,
0.2500

■ 22.7393, 0.3494,
0.2652

■ 27.1648, 0.3380,
0.2814

■ 32.4314, 0.3281,
0.2978

■ 38.5804, 0.3198,
0.3137

Harmonies

Analogous

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



10.8956, 0.2843, 0.1646



10.8956, 0.4425, 0.2211



10.8956, 0.5702, 0.2945

Triad

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



10.8956, 0.4425, 0.2211



10.8956, 0.4031, 0.5818



10.8956, 0.0933, 0.1791

Complementary

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



10.8956, 0.4425, 0.2211



33.0544, 0.2834, 0.5404

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.



10.8956, 0.1067, 0.2857



10.8956, 0.4425, 0.2211



10.8956, 0.2768, 0.6145

Square

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



10.8956, 0.4425, 0.2211



10.8956, 0.5208, 0.4772



10.8956, 0.1678, 0.4763



10.8956, 0.1140, 0.1386

Rectangle

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



10.8956, 0.4425, 0.2211



10.8956, 0.5948, 0.3470



10.8956, 0.1678, 0.4763



10.8956, 0.0936, 0.2053

Sweetspot

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



10.8976, 0.4425, 0.2211



48.7977, 0.3385, 0.2806



4.4544, 0.1795, 0.0762



9.7957, 0.3431, 0.2738



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



10.8976, 0.4425, 0.2211



19.7092, 0.4450, 0.2225



9.7712, 0.6224, 0.3202



8.5920, 0.3192, 0.3148



7.6176, 0.4406, 0.2201



0.2505, 0.3993, 0.1973

Inverse Universe

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



10.8976, 0.4425, 0.2211



19.7092, 0.4450, 0.2225



35.0498, 0.2365, 0.3712



8.5920, 0.3192, 0.3148



7.6176, 0.4406, 0.2201



0.2505, 0.3993, 0.1973

Previews

White Background



This preview shows how the Yxy color 10.8956, 0.4425, 0.2211 looks on a white background.

Color Contrast Check

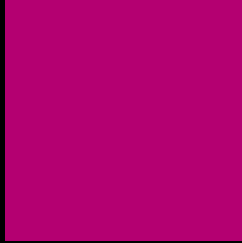
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8956, 0.4425, 0.2211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

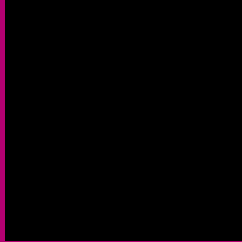
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8956, 0.4425, 0.2211

Background



This preview shows how black text looks on a background with the Yxy color 10.8956, 0.4425, 0.2211.



This preview shows how white text looks on a background with the Yxy color 10.8956, 0.4425, 0.2211.

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

10.8956, 0.4425, 0.2211

Protanopia

11.5956, 0.2113, 0.1932

Deuteranopia

11.5579, 0.3064, 0.3021



Tritanopia

11.3041, 0.5623, 0.3287

Trichromacy



Original Color

10.8956, 0.4425, 0.2211



Protanomaly

8.2673, 0.2625, 0.1714



Deuteranomaly

8.8778, 0.3563, 0.2374



Tritanomaly

10.6680, 0.5295, 0.2871

Monochromacy



Original Color

10.8956, 0.4425, 0.2211



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.5560, 0.3726, 0.2394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8956, 0.4425, 0.2211 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(180, 0, 113)` looks like.

```
.text, #text, p{  
  color:rgb(180, 0, 113)  
}
```

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(180, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 113) }
```

Border

The CSS property to change the border of an element to Yxy 10.8956, 0.4425, 0.2211 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(180, 0, 113) }
```

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

```
.border{ border-color:rgb(180, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(180, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(180, 0,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8956, 0.4425, 0.2211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 113) }
```

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

```
.background{ background-color: rgb(180, 0,  
113) }
```

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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