

Converting Colors

$Y_{xy}(11.9083, 0.4401, 0.4035)$

Have a look what the booklet for
Yxy(11.9083, 0.4401, 0.4035)
contains.

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Color

Yxy(11.9642, 0.4401, 0.4035)

Conversions

Conversions Part 1

Format	Color
Hex	805932
RGB	128, 89, 50
RGB Percent	50%, 35%, 20%
CMY	0.4981, 0.6510, 0.8040
CMYK	0.00, 0.30, 0.61, 0.50
HSL	30°, 44%, 35%
HSV	30°, 61%, 50%
XYZ	13.0494, 11.9642, 4.6374
YIQ	96.2150, 35.7630, -3.8610

Conversions

Conversions Part 2

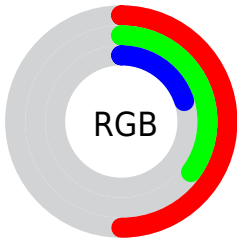
Format	Color
R_{YB}	128, 128, 50
Decimal	8411442
CIE _{Lab}	41.16, 11.57, 28.71
CIE _{LCh}	41, 30.948, 68.055
Yxy	11.9642, 0.4401, 0.4035
Android (android.graphics.Color)	4286601522 (0xFF805932)
YUV	96.2150, -22.7840, 27.8754
Hunter-Lab	34.5893, 6.8110, 16.2634

Details

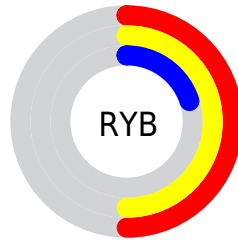
The Yxy color **11.9642, 0.4401, 0.4035** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.3768, 0.2199, 0.2349**, and the grayscale version is **11.8021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3956, 0.4086, 0.3885**, and **3.2730, 0.5033, 0.4261** is the 20% darker color. If you saturate the color by 10%, you get **10.8504, 0.4666, 0.4116**, and if you desaturate by 10%, it is **13.2026, 0.4142, 0.3928**.

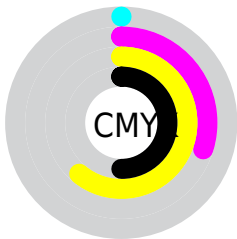
Distribution



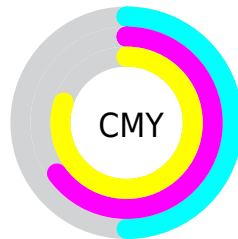
- Red (50%)
- Green (35%)
- Blue (20%)



- Red (50%)
- Yellow (50%)
- Blue (20%)



- Cyan (0%)
- Magenta (30%)
- Yellow (61%)
- Black (50%)





- Cyan (50%)
- Magenta (65%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9642, 0.4401, 0.4035 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 11.9642, 0.4401, 0.4035 by changing the saturation by 10% instead.


 11.9642, 0.4401,
0.4035


 11.9642, 0.4401,
0.4035


204.1681, 0.3632,
0.3619


 6.7193, 0.4643,
0.4137


 29.4299, 0.4085,
0.3879


 3.2872, 0.5013,
0.4279

 42.4195, 0.3977,
0.3821


 1.2834, 0.5577,
0.4423

 58.7594, 0.3891,
0.3772

 0.1283, 0.7591,
0.2409

 78.8341, 0.3820,
0.3732

 0.0000, 0.0000,
0.0000

 103.0279, 0.3761,
0.3697

 131.7253, 0.3711,

0.3668

165.3105, 0.3669,
0.3642

■ 11.9642, 0.4401,
0.4035

■ 11.9642, 0.4401,
0.4035

■ 10.8504, 0.4666,
0.4116

■ 13.2026, 0.4142,
0.3928

■ 9.8545, 0.4925,
0.4159

■ 14.5685, 0.3899,
0.3806

■ 8.9715, 0.5161,
0.4155

■ 16.0667, 0.3676,
0.3677

■ 8.2582, 0.5362,
0.4124

■ 17.7014, 0.3475,
0.3547

■ 19.4762, 0.3297,
0.3421

■ 21.3951, 0.3141,
0.3301

■ 23.4613, 0.3004,
0.3189

■ 25.6784, 0.2884,
0.3085

■ 28.0495, 0.2779,
0.2989

Harmonies

Analogous

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



11.9642, 0.4453, 0.3531



11.9642, 0.4401, 0.4035



11.9642, 0.3992, 0.4430

Triad

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



11.9642, 0.4401, 0.4035



11.9642, 0.2218, 0.3476



11.9642, 0.2764, 0.2325

Complementary

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



11.9642, 0.4401, 0.4035



9.3768, 0.2199, 0.2349

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.



11.9642, 0.2248, 0.2245



11.9642, 0.4401, 0.4035



11.9642, 0.1961, 0.2819

Square

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



11.9642, 0.4401, 0.4035



11.9642, 0.2726, 0.4159



11.9642, 0.1975, 0.2400



11.9642, 0.3443, 0.2603

Rectangle

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



11.9642, 0.4401, 0.4035



11.9642, 0.3594, 0.4539



11.9642, 0.1975, 0.2400



11.9642, 0.2568, 0.2274

Sweetspot

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



11.9648, 0.4401, 0.4035



31.9364, 0.3428, 0.3514



7.5899, 0.3985, 0.2553



7.2990, 0.3475, 0.3547



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



11.9648, 0.4401, 0.4035



18.4269, 0.4764, 0.4137



20.2562, 0.3956, 0.4660



4.6719, 0.3267, 0.3398



8.1920, 0.5361, 0.4125



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3768, 0.2199, 0.2349



13.4458, 0.2022, 0.2091



4.5161, 0.1996, 0.1419



4.5391, 0.2993, 0.3180



5.1812, 0.1786, 0.1629



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 11.9642, 0.4401, 0.4035 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 11.9642, 0.4401, 0.4035 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 11.9642, 0.4401, 0.4035

Background



This preview shows how black text looks on a background with the Yxy color 11.9642, 0.4401, 0.4035.



This preview shows how white text looks on a background with the Yxy color 11.9642, 0.4401, 0.4035.

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

11.9642, 0.4401, 0.4035

Protanopia

11.9322, 0.3921, 0.4261

Deuteranopia

12.0435, 0.4235, 0.4175



Tritanopia

11.9213, 0.3817, 0.3156

Trichromacy



Original Color

11.9642, 0.4401, 0.4035

Protanomaly

11.8982, 0.4100, 0.4172

Deuteranomaly

12.0870, 0.4296, 0.4137

Tritanomaly

11.9232, 0.4050, 0.3489

Monochromacy



Original Color

11.9642, 0.4401, 0.4035

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5814, 0.3584, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9642, 0.4401, 0.4035 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(128, 89, 50)` looks like.

```
.text, #text, p{  
  color:rgb(128, 89, 50)  
}
```

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(128, 89, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 89, 50) }
```

Border

The CSS property to change the border of an element to Yxy 11.9642, 0.4401, 0.4035 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(128, 89, 50) }
```

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

```
.border{ border-color:rgb(128, 89, 50) }
```

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

Here you see how a box with a 4 pixel rgb(128, 89, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 89, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 89, 50);  
box-shadow:4px 4px 4px 4px rgb(128, 89,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9642, 0.4401, 0.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 89, 50) }
```

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

```
.background{ background-color: rgb(128, 89,  
50) }
```

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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