

Converting Colors

$Y_{xy}(10.8970, 0.5088, 0.4304)$

Have a look what the booklet for
Yxy(10.8970, 0.5088, 0.4304)
contains.

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Color

Yxy(10.8970, 0.5088, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	875004
RGB	135, 80, 4
RGB Percent	53%, 31%, 2%
CMY	0.4706, 0.6863, 0.9843
CMYK	0.00, 0.41, 0.97, 0.47
HSL	35°, 94%, 27%
HSV	35°, 97%, 53%
XYZ	12.8820, 10.8970, 1.5394
YIQ	87.7810, 57.1760, -11.9760

Conversions

Conversions Part 2

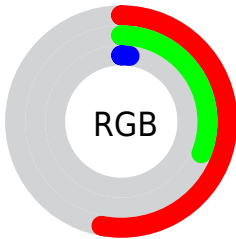
Format	Color
R_{YB}	99, 135, 4
Decimal	8867844
CIE _{Lab}	39.41, 18.01, 47.17
CIE _{LCh}	39, 50.490, 69.099
Yxy	10.8970, 0.5088, 0.4304
Android (android.graphics.Color)	4287057924 (0xFF875004)
YUV	87.7810, -41.3040, 41.4111
Hunter-Lab	33.0106, 11.8887, 20.3426

Details

The Yxy color **10.8970, 0.5088, 0.4304** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9028, 0.1738, 0.1424**, and the grayscale version is **9.7916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3435, 0.4664, 0.4167**, and **2.8643, 0.5433, 0.4068** is the 20% darker color. If you saturate the color by 10%, you get **10.6455, 0.5143, 0.4298**, and if you desaturate by 10%, it is **11.7962, 0.4905, 0.4318**.

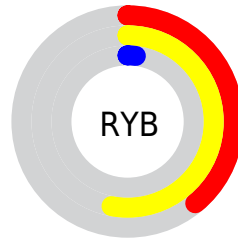
Distribution



Red (53%)

Green (31%)

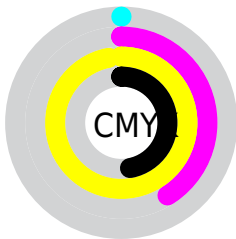
Blue (2%)



Red (39%)

Yellow (53%)

Blue (2%)

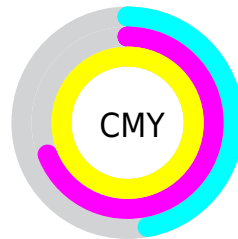


Cyan (0%)

Magenta (41%)

Yellow (97%)

Black (47%)



Cyan (47%)

Magenta (69%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8970, 0.5088, 0.4304 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 10.8970, 0.5088, 0.4304 by changing the saturation by 10% instead.


 10.8970, 0.5088,
0.4304


 10.8970, 0.5088,
0.4304


 196.9595, 0.3953,
0.3821


 5.9976, 0.5431,
0.4388

 27.4695, 0.4658,
0.4168

 2.8436, 0.5705,
0.4295

 39.9115, 0.4498,
0.4100


 1.0506, 0.6001,
0.3999

 55.6364, 0.4366,
0.4039

 0.0000, 1.0000,
0.0000


 75.0287, 0.4255,
0.3984

 0.0000, 0.0000,
0.0000

 98.4728, 0.4162,
0.3935


 126.3530, 0.4082,

0.3892


 159.0538, 0.4013,
0.3854

 10.8970, 0.5088,
0.4304

 10.8970, 0.5088,
0.4304


 10.6455, 0.5143,
0.4298

 11.7962, 0.4905,
0.4318

 12.7901, 0.4697,
0.4288

 13.8871, 0.4470,
0.4214

 15.0922, 0.4236,
0.4105

 16.4096, 0.4006,
0.3974

■ 17.8434, 0.3787,
0.3829

■ 19.3975, 0.3584,
0.3679

■ 21.0752, 0.3399,
0.3530

■ 22.8800, 0.3233,
0.3387

Harmonies

Analogous

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



10.8970, 0.5313, 0.3544



10.8970, 0.5088, 0.4304



10.8970, 0.4341, 0.5057

Triad

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



10.8970, 0.5088, 0.4304



10.8970, 0.1649, 0.3501



10.8970, 0.2545, 0.1839

Complementary

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



10.8970, 0.5088, 0.4304



4.9028, 0.1738, 0.1424

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.



10.8970, 0.1782, 0.1699



10.8970, 0.5088, 0.4304



10.8970, 0.1342, 0.2418

Square

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



10.8970, 0.5088, 0.4304



10.8970, 0.2370, 0.4824



10.8970, 0.1396, 0.1859



10.8970, 0.3659, 0.2242

Rectangle

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



10.8970, 0.5088, 0.4304



10.8970, 0.3698, 0.5388



10.8970, 0.1396, 0.1859



10.8970, 0.2246, 0.1762

Sweetspot

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



10.8976, 0.5088, 0.4304



33.9892, 0.3636, 0.3718



5.5721, 0.5097, 0.2613



7.6295, 0.3711, 0.3775



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



10.8976, 0.5088, 0.4304



18.7435, 0.5169, 0.4277



21.7916, 0.4075, 0.5124



5.1040, 0.3266, 0.3416



9.8436, 0.5139, 0.4301



0.0486, 0.4640, 0.4698

Inverse Universe

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



4.9028, 0.1738, 0.1424



8.0123, 0.1702, 0.1328



1.9198, 0.1550, 0.0650



4.8421, 0.2992, 0.3161



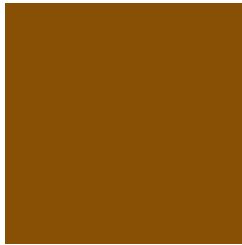
4.3073, 0.1715, 0.1373



0.0288, 0.1941, 0.2186

Previews

White Background



This preview shows how the Yxy color 10.8970, 0.5088, 0.4304 looks on a white background.

Color Contrast Check

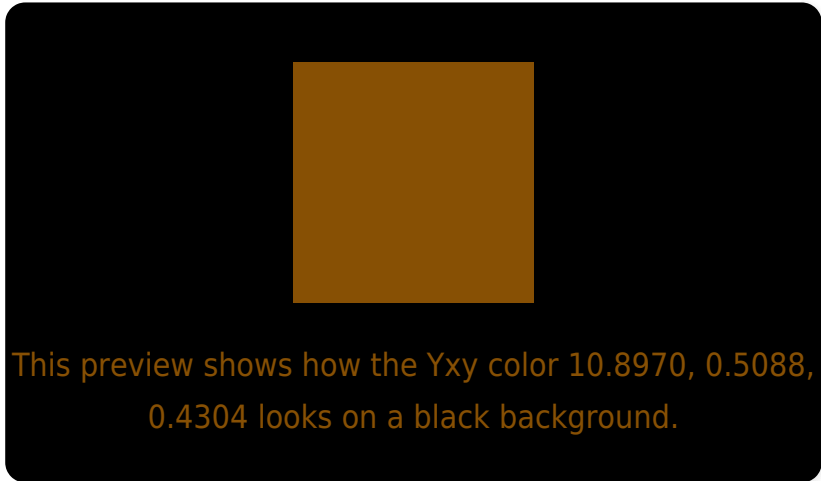
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 10.8970, 0.5088, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 10.8970, 0.5088, 0.4304.



This preview shows how white text looks on a background with the Yxy color 10.8970, 0.5088, 0.4304.

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

10.8970, 0.5088, 0.4304

Protanopia

11.0328, 0.4328, 0.4829

Deuteranopia

10.9963, 0.4683, 0.4663



Tritanopia

10.8800, 0.4205, 0.3182

Trichromacy



Original Color

10.8970, 0.5088, 0.4304

Protanomaly

10.8753, 0.4613, 0.4637

Deuteranomaly

10.9429, 0.4829, 0.4538

Tritanomaly

10.7352, 0.4684, 0.3719

Monochromacy



Original Color

10.8970, 0.5088, 0.4304

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.7957, 0.3948, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8970, 0.5088, 0.4304 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(135, 80, 4)` looks like.

```
.text, #text, p{  
  color:rgb(135, 80, 4)  
}
```

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(135, 80, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 80, 4) }
```

Border

The CSS property to change the border of an element to Yxy 10.8970, 0.5088, 0.4304 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(135, 80, 4) }
```

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

```
.border{ border-color:rgb(135, 80, 4) }
```

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

Here you see how a box with a 4 pixel rgb(135, 80, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 80, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 80, 4);  
box-shadow:4px 4px 4px 4px rgb(135, 80, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8970, 0.5088, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 80, 4) }
```

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

```
.background{ background-color: rgb(135, 80,  
4) }
```

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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