

Converting Colors

$Y_{xy}(12.7534, 0.5058, 0.4323)$

Have a look what the booklet for
Yxy(12.7534, 0.5058, 0.4323)
contains.

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Color

Yxy(12.7566, 0.5061, 0.4322)

Conversions

Conversions Part 1

Format	Color
Hex	905705
RGB	144, 87, 5
RGB Percent	56%, 34%, 2%
CMY	0.4353, 0.6588, 0.9800
CMYK	0.00, 0.40, 0.96, 0.44
HSL	35°, 93%, 29%
HSV	35°, 96%, 56%
XYZ	14.9378, 12.7566, 1.8211
YIQ	94.6950, 60.2940, -13.4180

Conversions

Conversions Part 2

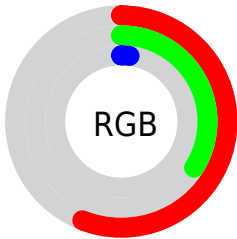
Format	Color
R_{YB}	102, 144, 5
Decimal	9459461
CIE Lab	42.39, 18.13, 49.53
CIE LCh	42, 52.746, 69.898
Yxy	12.7566, 0.5061, 0.4322
Android (android.graphics.Color)	4287649541 (0xFF905705)
YUV	94.6950, -44.2196, 43.2405
Hunter-Lab	35.7164, 12.1510, 21.9784

Details

The Yxy color **12.7566, 0.5061, 0.4322** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.5019, 0.1732, 0.1396**, and the grayscale version is **11.4667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9248, 0.4656, 0.4184**, and **3.6606, 0.5394, 0.4099** is the 20% darker color. If you saturate the color by 10%, you get **12.4125, 0.5124, 0.4314**, and if you desaturate by 10%, it is **13.7912, 0.4883, 0.4336**.

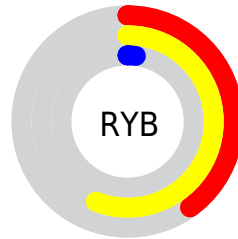
Distribution



Red (56%)

Green (34%)

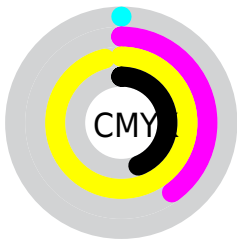
Blue (2%)



Red (40%)

Yellow (56%)

Blue (2%)

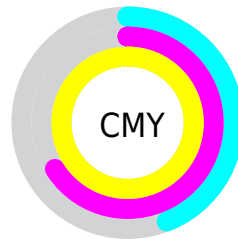


Cyan (0%)

Magenta (40%)

Yellow (96%)

Black (44%)



Cyan (44%)

Magenta (66%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7566, 0.5061, 0.4322 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 12.7566, 0.5061, 0.4322 by changing the saturation by 10% instead.


 12.7566, 0.5061,
0.4322


 12.7566, 0.5061,
0.4322


 209.3518, 0.3968,
0.3839


 7.2612, 0.5350,
0.4383


 30.8658, 0.4654,
0.4186


 3.6260, 0.5649,
0.4351

 44.2484, 0.4501,
0.4119

 1.4666, 0.5899,
0.4101

 61.0287, 0.4373,
0.4058

 0.2651, 0.7238,
0.2762


 81.5913, 0.4266,
0.4004


 0.0000, 0.0000,
0.0000


 106.3205, 0.4174,
0.3955


 135.6008, 0.4096,

0.3912


 169.8164, 0.4028,
0.3874


 12.7566, 0.5061,
0.4322


 12.7566, 0.5061,
0.4322

 12.4125, 0.5124,
0.4314

 13.7912, 0.4883,
0.4336

 14.9339, 0.4678,
0.4304

 16.1932, 0.4454,
0.4227

 17.5748, 0.4223,
0.4115

 19.0837, 0.3994,
0.3980

■ 20.7245, 0.3777,
0.3832

■ 22.5014, 0.3575,
0.3679

■ 24.4185, 0.3391,
0.3527

■ 26.4796, 0.3225,
0.3381

Harmonies

Analogous

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



12.7566, 0.5299, 0.3565



12.7566, 0.5061, 0.4322



12.7566, 0.4311, 0.5064

Triad

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



12.7566, 0.5061, 0.4322



12.7566, 0.1646, 0.3466



12.7566, 0.2575, 0.1856

Complementary

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



12.7566, 0.5061, 0.4322



5.5019, 0.1732, 0.1396

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.



12.7566, 0.1806, 0.1709



12.7566, 0.5061, 0.4322



12.7566, 0.1351, 0.2405

Square

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



12.7566, 0.5061, 0.4322



12.7566, 0.2353, 0.4778



12.7566, 0.1413, 0.1860



12.7566, 0.3687, 0.2263

Rectangle

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



12.7566, 0.5061, 0.4322



12.7566, 0.3671, 0.5377



12.7566, 0.1413, 0.1860



12.7566, 0.2275, 0.1777

Sweetspot

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



12.7573, 0.5061, 0.4322



38.6788, 0.3636, 0.3727



6.3985, 0.5161, 0.2652



8.5938, 0.3714, 0.3786



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.7573, 0.5061, 0.4322



21.5592, 0.5147, 0.4295



24.8980, 0.4046, 0.5144



5.9192, 0.3268, 0.3420



10.8558, 0.5117, 0.4319



0.1473, 0.4626, 0.4709

Inverse Universe

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



5.5019, 0.1732, 0.1396



8.7736, 0.1692, 0.1292



2.2404, 0.1559, 0.0657



5.5957, 0.2990, 0.3157



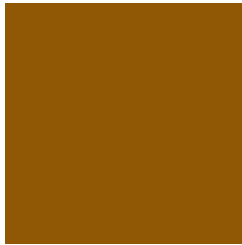
4.5295, 0.1705, 0.1338



0.0849, 0.1934, 0.2161

Previews

White Background



This preview shows how the Yxy color 12.7566, 0.5061, 0.4322 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 12.7566, 0.5061, 0.4322 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 12.7566, 0.5061, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 12.7566, 0.5061, 0.4322.



This preview shows how white text looks on a background with the Yxy color 12.7566, 0.5061, 0.4322.

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

12.7566, 0.5061, 0.4322

Protanopia

12.9113, 0.4351, 0.4818

Deuteranopia

12.6964, 0.4702, 0.4648



Tritanopia

12.7760, 0.4166, 0.3188

Trichromacy



Original Color

12.7566, 0.5061, 0.4322

Protanomaly

12.7454, 0.4617, 0.4637

Deuteranomaly

12.6452, 0.4835, 0.4525

Tritanomaly

12.5929, 0.4647, 0.3731

Monochromacy



Original Color

12.7566, 0.5061, 0.4322

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5128, 0.3942, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7566, 0.5061, 0.4322 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(144, 87, 5)` looks like.

```
.text, #text, p{  
    color:rgb(144, 87, 5)  
}
```

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(144, 87, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 87, 5) }
```

Border

The CSS property to change the border of an element to Yxy 12.7566, 0.5061, 0.4322 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(144, 87, 5) }
```

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

```
.border{ border-color:rgb(144, 87, 5) }
```

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

Here you see how a box with a 4 pixel rgb(144, 87, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 87, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 87, 5);  
box-shadow:4px 4px 4px 4px rgb(144, 87, 5)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 12.7566, 0.5061, 0.4322$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 87, 5) }
```

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

```
.background{ background-color: rgb(144, 87,  
5) }
```

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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