

Converting Colors

$Y_{xy}(16.9621, 0.4127, 0.4228)$

Have a look what the booklet for
Yxy(16.9621, 0.4127, 0.4228)
contains.

Yxy(17.0550, 0.4125, 0.4244)	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(17.0550, 0.4125, 0.4244)

Conversions

Conversions Part 1

Format	Color
Hex	87703B
RGB	135, 112, 59
RGB Percent	53%, 44%, 23%
CMY	0.4705, 0.5608, 0.7687
CMYK	0.00, 0.17, 0.56, 0.47
HSL	42°, 39%, 38%
HSV	42°, 56%, 53%
XYZ	16.5768, 17.0550, 6.5544
YIQ	112.8350, 30.7210, -11.6070

Conversions

Conversions Part 2

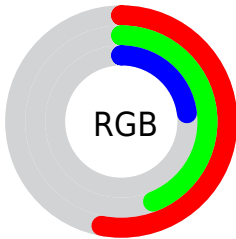
Format	Color
RYB	92, 135, 59
Decimal	8876091
CIELab	48.33, 2.07, 32.53
CIELCh	48, 32.596, 86.352
Yxy	17.0550, 0.4125, 0.4244
Android (android.graphics.Color)	4287066171 (0xFF87703B)
YUV	112.8350, -26.5407, 19.4387
Hunter-Lab	41.2977, -0.6216, 19.4985

Details

The Yxy color **17.0550, 0.4125, 0.4244** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7146, 0.2188, 0.2073**, and the grayscale version is **16.5358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5808, 0.3898, 0.4041**, and **5.6461, 0.4485, 0.4584** is the 20% darker color. If you saturate the color by 10%, you get **16.0518, 0.4316, 0.4376**, and if you desaturate by 10%, it is **18.1371, 0.3930, 0.4088**.

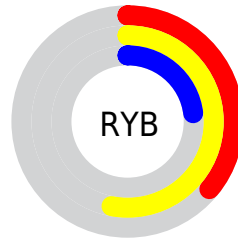
Distribution



Red (53%)

Green (44%)

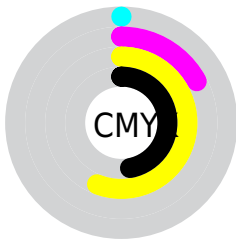
Blue (23%)



Red (36%)

Yellow (53%)

Blue (23%)

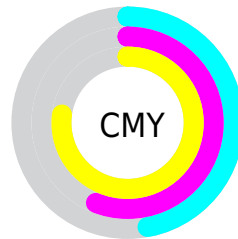


Cyan (0%)

Magenta (17%)

Yellow (56%)

Black (47%)



Cyan (47%)


Magenta (56%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0550, 0.4125, 0.4244 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 17.0550, 0.4125, 0.4244 by changing the saturation by 10% instead.


 17.0550, 0.4125,
0.4244


 17.0550, 0.4125,
0.4244


235.4891, 0.3559,
0.3710


 10.2737, 0.4283,
0.4388


 38.4203, 0.3905,
0.4039


 5.5808, 0.4487,
0.4570

 53.7731, 0.3826,
0.3964


 2.5919, 0.4977,
0.5023

 72.7519, 0.3761,
0.3903

 0.9226, 0.5020,
0.4980

 95.7411, 0.3707,
0.3852

 0.0000, 0.0000,
0.0000

 123.1250, 0.3662,
0.3808

 155.2880, 0.3622,

0.3770

192.6146, 0.3589,
0.3738

■ 17.0550, 0.4125,
0.4244

■ 17.0550, 0.4125,
0.4244

■ 16.0518, 0.4316,
0.4376

■ 18.1371, 0.3930,
0.4088

■ 15.1215, 0.4494,
0.4475

■ 19.2986, 0.3737,
0.3917

■ 14.2612, 0.4651,
0.4531

■ 20.5433, 0.3553,
0.3741

■ 13.4648, 0.4783,
0.4544

■ 21.8737, 0.3380,
0.3565

■ 13.1824, 0.4831,
0.4546

■ 23.2924, 0.3220,
0.3394

■ 24.8016, 0.3075,
0.3231

■ 26.4038, 0.2944,
0.3078

■ 28.1009, 0.2826,
0.2936

■ 29.8951, 0.2721,
0.2805

Harmonies

Analogous

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



17.0550, 0.4387, 0.3820



17.0550, 0.4125, 0.4244



17.0550, 0.3606, 0.4455

Triad

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



17.0550, 0.4125, 0.4244



17.0550, 0.2092, 0.3074



17.0550, 0.3168, 0.2519

Complementary

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



17.0550, 0.4125, 0.4244



8.7146, 0.2188, 0.2073

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.



17.0550, 0.2573, 0.2324



17.0550, 0.4125, 0.4244



17.0550, 0.2004, 0.2580

Square

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



17.0550, 0.4125, 0.4244



17.0550, 0.2437, 0.3728



17.0550, 0.2169, 0.2334



17.0550, 0.3813, 0.2876

Rectangle

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



17.0550, 0.4125, 0.4244



17.0550, 0.3194, 0.4387



17.0550, 0.2169, 0.2334



17.0550, 0.2955, 0.2434

Sweetspot

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



17.0558, 0.4125, 0.4244



38.8996, 0.3398, 0.3583



8.9045, 0.4199, 0.2849



8.9131, 0.3426, 0.3613



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.



17.0558, 0.4125, 0.4244



28.1896, 0.4375, 0.4412



21.7182, 0.3733, 0.4672



5.1914, 0.3264, 0.3441



12.1771, 0.4828, 0.4548



0.0551, 0.4485, 0.4821

Inverse Universe

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



8.7146, 0.2188, 0.2073



11.7279, 0.1973, 0.1733



6.2902, 0.2246, 0.1627



4.7576, 0.2992, 0.3134



3.0886, 0.1626, 0.1053



0.0223, 0.1846, 0.1846

Previews

White Background



This preview shows how the Yxy color 17.0550, 0.4125, 0.4244 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 17.0550, 0.4125, 0.4244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

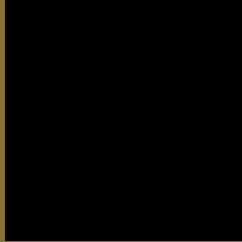
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0550, 0.4125, 0.4244

Background



This preview shows how black text looks on a background with the Yxy color 17.0550, 0.4125, 0.4244.



This preview shows how white text looks on a background with the Yxy color 17.0550, 0.4125, 0.4244.

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

17.0550, 0.4125, 0.4244

Protanopia

17.0997, 0.3970, 0.4324

Deuteranopia

16.9262, 0.4230, 0.4146



Tritanopia

17.0984, 0.3499, 0.3148

Trichromacy



Original Color

17.0550, 0.4125, 0.4244

Protanomaly

17.1067, 0.4022, 0.4290

Deuteranomaly

16.9671, 0.4191, 0.4173

Tritanomaly

16.9365, 0.3744, 0.3549

Monochromacy



Original Color

17.0550, 0.4125, 0.4244

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.6655, 0.3490, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0550, 0.4125, 0.4244 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, 112, 59)` looks like.

```
.text, #text, p{  
    color:rgb(135, 112, 59)  
}
```

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, 112, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 112, 59) }
```

Border

The CSS property to change the border of an element to Yxy 17.0550, 0.4125, 0.4244 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, 112, 59) }
```

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

```
.border{ border-color:rgb(135, 112, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 112, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 112, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 112, 59);  
box-shadow:4px 4px 4px 4px rgb(135, 112,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0550, 0.4125, 0.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 112, 59) }
```

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

```
.background{ background-color: rgb(135,  
112, 59) }
```

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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