

Converting Colors

$Y_{xy}(16.4577, 0.3951, 0.4406)$

Have a look what the booklet for
Yxy(16.4577, 0.3951, 0.4406)
contains.

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Color

Yxy(16.4577, 0.3951, 0.4406)

Conversions

Conversions Part 1

Format	Color
Hex	7A7238
RGB	122, 114, 56
RGB Percent	48%, 45%, 22%
CMY	0.5215, 0.5529, 0.7805
CMYK	0.00, 0.07, 0.54, 0.52
HSL	53°, 37%, 35%
HSV	53°, 54%, 48%
XYZ	14.7581, 16.4577, 6.1371
YIQ	109.7800, 23.3860, -16.3420

Conversions

Conversions Part 2

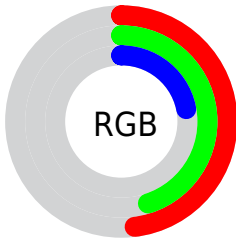
Format	Color
RYB	65, 122, 56
Decimal	8024632
CIELab	47.57, -5.26, 32.92
CIELCh	48, 33.338, 99.086
Yxy	16.4577, 0.3951, 0.4406
Android (android.graphics.Color)	4286214712 (0xFF7A7238)
YUV	109.7800, -26.5135, 10.7169
Hunter-Lab	40.5681, -6.0582, 19.4284

Details

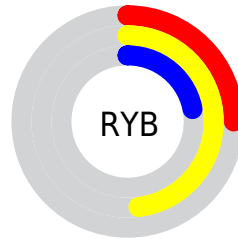
The Yxy color **16.4577, 0.3951, 0.4406** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.9114, 0.2175, 0.1843**, and the grayscale version is **15.5991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5225, 0.3770, 0.4150**, and **5.2557, 0.4223, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **16.0220, 0.4088, 0.4571**, and if you desaturate by 10%, it is **16.9295, 0.3801, 0.4216**.

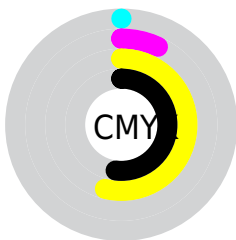
Distribution



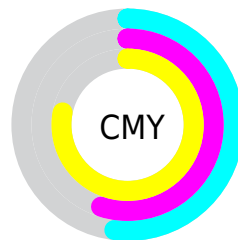
- Red (48%)
- Green (45%)
- Blue (22%)



- Red (25%)
- Yellow (48%)
- Blue (22%)



- Cyan (0%)
- Magenta (7%)
- Yellow (54%)
- Black (52%)





- Cyan (52%)
- Magenta (55%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4577, 0.3951, 0.4406 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 16.4577, 0.3951, 0.4406 by changing the saturation by 10% instead.


 16.4577, 0.3951,
0.4406


 16.4577, 0.3951,
0.4406


 232.0276, 0.3490,
0.3761


 9.8486, 0.4074,
0.4593


 37.3910, 0.3774,
0.4150


 5.2987, 0.4225,
0.4841

 52.4840, 0.3710,
0.4060


 2.4236, 0.4596,
0.5404

 71.1737, 0.3657,
0.3987

 0.8380, 0.4435,
0.5565

 93.8446, 0.3613,
0.3926

 0.0000, 0.0000,
0.0000

 120.8810, 0.3575,
0.3875

 152.6674, 0.3543,

0.3831

189.5881, 0.3514,
0.3794

■ 16.4577, 0.3951,
0.4406

■ 16.4577, 0.3951,
0.4406

■ 16.0220, 0.4088,
0.4571

■ 16.9295, 0.3801,
0.4216

■ 15.6178, 0.4208,
0.4704

■ 17.4370, 0.3645,
0.4011

■ 15.2435, 0.4304,
0.4797

■ 17.9827, 0.3487,
0.3797

■ 14.8957, 0.4376,
0.4851

■ 18.5684, 0.3333,
0.3583

■ 14.6971, 0.4415,
0.4876

■ 19.1956, 0.3186,
0.3374

■ 19.8657, 0.3047,
0.3173

■ 20.5801, 0.2917,
0.2984

■ 21.3402, 0.2798,
0.2808

■ 22.1472, 0.2690,
0.2645

Harmonies

Analogous

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



16.4577, 0.4355, 0.4034



16.4577, 0.3951, 0.4406



16.4577, 0.3349, 0.4477

Triad

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



16.4577, 0.3951, 0.4406



16.4577, 0.1989, 0.2818



16.4577, 0.3458, 0.2634

Complementary

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



16.4577, 0.3951, 0.4406



5.9114, 0.2175, 0.1843

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.



16.4577, 0.2796, 0.2357



16.4577, 0.3951, 0.4406



16.4577, 0.2011, 0.2417

Square

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



16.4577, 0.3951, 0.4406



16.4577, 0.2232, 0.3447



16.4577, 0.2287, 0.2273



16.4577, 0.4079, 0.3053

Rectangle

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



16.4577, 0.3951, 0.4406



16.4577, 0.2922, 0.4279



16.4577, 0.2287, 0.2273



16.4577, 0.3230, 0.2523

Sweetspot

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



16.4585, 0.3951, 0.4406



32.4200, 0.3368, 0.3631



7.3439, 0.4408, 0.3116



7.3745, 0.3392, 0.3666



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.4585, 0.3951, 0.4406



28.0018, 0.4119, 0.4607



16.7933, 0.3545, 0.4692



4.5549, 0.3258, 0.3477



15.4621, 0.4416, 0.4876



72.9231, 0.4429, 0.4865

Inverse Universe

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



5.9114, 0.2175, 0.1843



7.4046, 0.1945, 0.1465



5.9454, 0.2476, 0.1784



3.9648, 0.2994, 0.3096



1.8257, 0.1534, 0.0724



8.0179, 0.1520, 0.0673

Previews

White Background



This preview shows how the Yxy color 16.4577, 0.3951, 0.4406 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 16.4577, 0.3951, 0.4406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

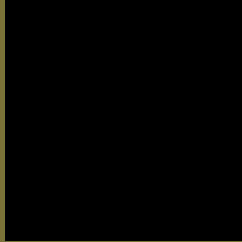
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4577, 0.3951, 0.4406

Background



This preview shows how black text looks on a background with the Yxy color 16.4577, 0.3951, 0.4406.



This preview shows how white text looks on a background with the Yxy color 16.4577, 0.3951, 0.4406.

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

16.4577, 0.3951, 0.4406

Protanopia

16.4558, 0.4004, 0.4370

Deuteranopia

16.5196, 0.4236, 0.4172



Tritanopia

16.3655, 0.3301, 0.3120

Trichromacy



Original Color

16.4577, 0.3951, 0.4406

Protanomaly

16.3809, 0.3989, 0.4377

Deuteranomaly

16.4338, 0.4139, 0.4255

Tritanomaly

16.3956, 0.3561, 0.3604

Monochromacy



Original Color

16.4577, 0.3951, 0.4406

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6845, 0.3438, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4577, 0.3951, 0.4406 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(122, 114, 56)` looks like.

```
.text, #text, p{  
    color:rgb(122, 114, 56)  
}
```

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(122, 114, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 114, 56) }
```

Border

The CSS property to change the border of an element to Yxy 16.4577, 0.3951, 0.4406 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(122, 114, 56) }
```

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

```
.border{ border-color:rgb(122, 114, 56) }
```

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

Here you see how a box with a 4 pixel rgb(122, 114, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 114, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 114, 56);  
box-shadow:4px 4px 4px 4px rgb(122, 114,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4577, 0.3951, 0.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 114, 56) }
```

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

```
.background{ background-color: rgb(122,  
114, 56) }
```

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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