

Converting Colors

$Y_{xy}(12.5404, 0.3875, 0.4364)$

Have a look what the booklet for
Yxy(12.5404, 0.3875, 0.4364)
contains.

Yxy(12.6195, 0.3877, 0.4362)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6195, 0.3877, 0.4362)

Conversions

Conversions Part 1

Format	Color
Hex	6A6534
RGB	106, 101, 52
RGB Percent	42%, 40%, 20%
CMY	0.5844, 0.6039, 0.7960
CMYK	0.00, 0.05, 0.51, 0.58
HSL	54°, 34%, 31%
HSV	54°, 51%, 42%
XYZ	11.2164, 12.6195, 5.0947
YIQ	96.9090, 18.7090, -14.1790

Conversions

Conversions Part 2

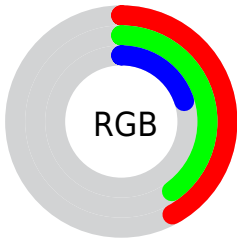
Format	Color
R_{YB}	58, 106, 52
Decimal	6972724
CIE _{Lab}	42.18, -5.54, 28.25
CIE _{LCh}	42, 28.788, 101.105
Yxy	12.6195, 0.3877, 0.4362
Android (android.graphics.Color)	4285162804 (0xFF6A6534)
YUV	96.9090, -22.1401, 7.9728
Hunter-Lab	35.5239, -5.8071, 16.3637

Details

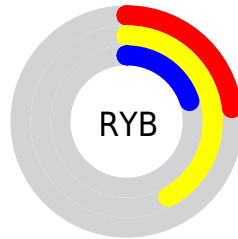
The Yxy color **12.6195, 0.3877, 0.4362** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.6960, 0.2244, 0.1923**, and the grayscale version is **11.9826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7475, 0.3705, 0.4094**, and **3.6154, 0.4166, 0.4880** is the 20% darker color. If you saturate the color by 10%, you get **12.3463, 0.4011, 0.4539**, and if you desaturate by 10%, it is **12.9176, 0.3732, 0.4164**.

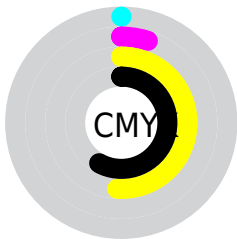
Distribution



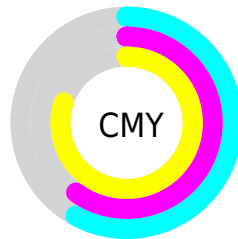
- Red (42%)
- Green (40%)
- Blue (20%)



- Red (23%)
- Yellow (42%)
- Blue (20%)



- Cyan (0%)
- Magenta (5%)
- Yellow (51%)
- Black (58%)





- Cyan (58%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6195, 0.3877, 0.4362 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 12.6195, 0.3877, 0.4362 by changing the saturation by 10% instead.

 12.6195, 0.3877,
0.4362


 12.6195, 0.3877,
0.4362


 208.4645, 0.3439,
0.3715


 7.1671, 0.4003,
0.4568


 30.6185, 0.3703,
0.4095


 3.5668, 0.4176,
0.4869

 43.9338, 0.3642,
0.4005


 1.4343, 0.4524,
0.5476

 60.6389, 0.3592,
0.3932

 0.2418, 0.2809,
0.7191

 81.1181, 0.3551,
0.3873

 0.0000, 0.0000,
0.0000

 105.7559, 0.3516,
0.3823

 134.9367, 0.3487,

0.3781

169.0447, 0.3462,
0.3746

■ 12.6195, 0.3877,
0.4362

■ 12.6195, 0.3877,
0.4362

■ 12.3463, 0.4011,
0.4539

■ 12.9176, 0.3732,
0.4164

■ 12.0947, 0.4129,
0.4687

■ 13.2402, 0.3581,
0.3952

■ 11.8638, 0.4225,
0.4799

■ 13.5890, 0.3430,
0.3735

■ 11.6516, 0.4298,
0.4872

■ 13.9652, 0.3282,
0.3519

■ 11.4672, 0.4356,
0.4924

■ 14.3699, 0.3140,
0.3309

■ 14.8041, 0.3006,
0.3108

■ 15.2687, 0.2881,
0.2920

■ 15.7645, 0.2766,
0.2744

■ 16.2926, 0.2661,
0.2581

Harmonies

Analogous

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



12.6195, 0.4274, 0.4030



12.6195, 0.3877, 0.4362



12.6195, 0.3301, 0.4395

Triad

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



12.6195, 0.3877, 0.4362



12.6195, 0.2039, 0.2814



12.6195, 0.3484, 0.2691

Complementary

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



12.6195, 0.3877, 0.4362



4.6960, 0.2244, 0.1923

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.



12.6195, 0.2855, 0.2415



12.6195, 0.3877, 0.4362



12.6195, 0.2076, 0.2447

Square

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



12.6195, 0.3877, 0.4362



12.6195, 0.2256, 0.3397



12.6195, 0.2356, 0.2322



12.6195, 0.4057, 0.3099

Rectangle

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



12.6195, 0.3877, 0.4362



12.6195, 0.2897, 0.4188



12.6195, 0.2356, 0.2322



12.6195, 0.3270, 0.2581

Sweetspot

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



12.6201, 0.3877, 0.4362



24.2136, 0.3348, 0.3616



5.8199, 0.4311, 0.3168



5.6486, 0.3370, 0.3648



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.6201, 0.3877, 0.4362



21.5936, 0.4033, 0.4567



12.4564, 0.3495, 0.4600



3.5382, 0.3254, 0.3477



14.2098, 0.4358, 0.4922



71.7344, 0.4368, 0.4914

Inverse Universe

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



4.6960, 0.2244, 0.1923



5.9883, 0.2020, 0.1558



4.9374, 0.2567, 0.1914



3.0660, 0.2997, 0.3095



1.5267, 0.1527, 0.0697



7.1767, 0.1514, 0.0649

Previews

White Background



This preview shows how the Yxy color 12.6195, 0.3877, 0.4362 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 12.6195, 0.3877, 0.4362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

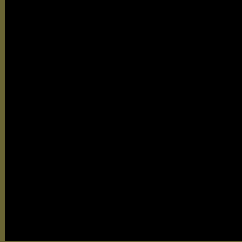
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6195, 0.3877, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 12.6195, 0.3877, 0.4362.



This preview shows how white text looks on a background with the Yxy color 12.6195, 0.3877, 0.4362.

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

12.6195, 0.3877, 0.4362

Protanopia

12.6773, 0.3952, 0.4317

Deuteranopia

12.5883, 0.4175, 0.4111



Tritanopia

12.5432, 0.3258, 0.3120

Trichromacy



Original Color

12.6195, 0.3877, 0.4362

Protanomaly

12.6135, 0.3936, 0.4323

Deuteranomaly

12.5194, 0.4069, 0.4203

Tritanomaly

12.4407, 0.3504, 0.3578

Monochromacy



Original Color

12.6195, 0.3877, 0.4362

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0388, 0.3400, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6195, 0.3877, 0.4362 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(106, 101, 52)` looks like.

```
.text, #text, p{  
    color:rgb(106, 101, 52)  
}
```

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(106, 101, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 101, 52) }
```

Border

The CSS property to change the border of an element to Yxy 12.6195, 0.3877, 0.4362 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(106, 101, 52) }
```

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

```
.border{ border-color:rgb(106, 101, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 101, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 101, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 101, 52);  
box-shadow:4px 4px 4px 4px rgb(106, 101,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6195, 0.3877, 0.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 101, 52) }
```

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

```
.background{ background-color: rgb(106,  
101, 52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor