

Converting Colors

$Y_{xy}(12.5806, 0.4205, 0.5375)$

Have a look what the booklet for
Yxy(12.5806, 0.4205, 0.5375)
contains.

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Color

Yxy(12.6445, 0.4067, 0.5153)

Conversions

Conversions Part 1

Format	Color
Hex	616900
RGB	97, 105, 0
RGB Percent	38%, 41%, 0%
CMY	0.6197, 0.5882, 1.0000
CMYK	0.08, 0.00, 1.00, 0.59
HSL	65°, 100%, 21%
HSV	65°, 100%, 41%
XYZ	9.9797, 12.6445, 1.9140
YIQ	90.6380, 28.9370, -34.3510

Conversions

Conversions Part 2

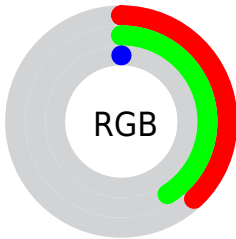
Format	Color
RYB	0, 105, 8
Decimal	6383872
CIELab	42.22, -15.08, 48.38
CIELCh	42, 50.676, 107.309
Yxy	12.6445, 0.4067, 0.5153
Android (android.graphics.Color)	4284573952 (0xFF616900)
YUV	90.6380, -44.6845, 5.5795
Hunter-Lab	35.5591, -12.1324, 21.7001

Details

The Yxy color **12.6445, 0.4067, 0.5153** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.0719, 0.1545, 0.0625**, and the grayscale version is **10.4733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6825, 0.3918, 0.4720**, and **3.6070, 0.3880, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **12.6451, 0.4067, 0.5153**, and if you desaturate by 10%, it is **12.7125, 0.4040, 0.5073**.

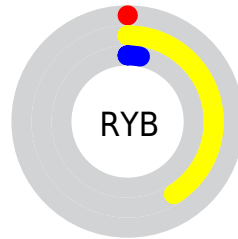
Distribution



Red (38%)

Green (41%)

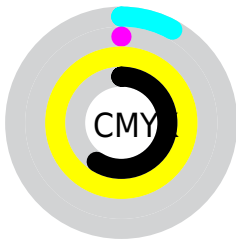
Blue (0%)



Red (0%)

Yellow (41%)

Blue (3%)

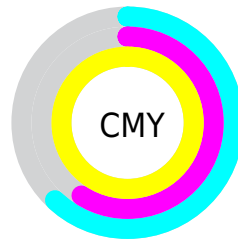


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (62%)

Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6445, 0.4067, 0.5153 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 12.6445, 0.4067, 0.5153 by changing the saturation by 10% instead.


 12.6445, 0.4067,
0.5153


 12.6445, 0.4067,
0.5153


 208.6266, 0.3589,
0.4057


 7.1842, 0.4148,
0.5470


 30.6636, 0.3916,
0.4727


 3.5776, 0.4161,
0.5839

 43.9912, 0.3849,
0.4572

 1.4402, 0.3899,
0.6101

 60.7101, 0.3790,
0.4446

 0.2461, 0.0000,
1.0000


 81.2046, 0.3739,
0.4341


 0.0000, 0.0000,
0.0000

 105.8590, 0.3694,
0.4253


 135.0579, 0.3654,


0.4177

 169.1857, 0.3620,
0.4113


 12.6445, 0.4067,
0.5153


 12.6445, 0.4067,
0.5153


 12.6451, 0.4067,
0.5153

 12.7125, 0.4040,
0.5073

 12.7884, 0.4001,
0.4974

 12.8810, 0.3939,
0.4835

 12.9923, 0.3856,
0.4661

 13.1237, 0.3754,
0.4459

■ 13.2767, 0.3639,
0.4235

■ 13.4526, 0.3514,
0.3999

■ 13.6525, 0.3384,
0.3759

■ 13.8775, 0.3254,
0.3521

Harmonies

Analogous

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



12.6445, 0.4866, 0.4494



12.6445, 0.4067, 0.5153



12.6445, 0.3095, 0.5272

Triad

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



12.6445, 0.4067, 0.5153



12.6445, 0.1383, 0.2264



12.6445, 0.3954, 0.2425

Complementary

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



12.6445, 0.4067, 0.5153



1.0719, 0.1545, 0.0625

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.



12.6445, 0.2838, 0.1971



12.6445, 0.4067, 0.5153



12.6445, 0.1522, 0.1835

Square

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



12.6445, 0.4067, 0.5153



12.6445, 0.1584, 0.3168



12.6445, 0.1995, 0.1762



12.6445, 0.4916, 0.3048

Rectangle

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



12.6445, 0.4067, 0.5153



12.6445, 0.2461, 0.4806



12.6445, 0.1995, 0.1762



12.6445, 0.3571, 0.2250

Sweetspot

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



12.6451, 0.4067, 0.5153



24.0557, 0.3525, 0.4020



3.1557, 0.6309, 0.3373



5.6118, 0.3563, 0.4092



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.



12.6451, 0.4067, 0.5153



22.6162, 0.4063, 0.5156



10.6742, 0.3316, 0.5749



3.5724, 0.3241, 0.3497



16.0016, 0.4065, 0.5154



81.3662, 0.4058, 0.5160

Inverse Universe

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



1.0719, 0.1545, 0.0625



1.8943, 0.1533, 0.0618



1.9654, 0.2207, 0.0989



3.0352, 0.3008, 0.3076



1.3493, 0.1540, 0.0622



6.7160, 0.1518, 0.0610

Previews

White Background



This preview shows how the Yxy color 12.6445, 0.4067, 0.5153 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 12.6445, 0.4067, 0.5153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

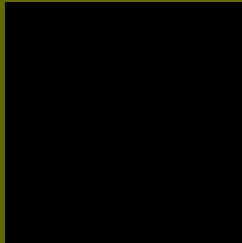
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6445, 0.4067, 0.5153

Background



This preview shows how black text looks on a background with the Yxy color 12.6445, 0.4067, 0.5153.



This preview shows how white text looks on a background with the Yxy color 12.6445, 0.4067, 0.5153.

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

12.6445, 0.4067, 0.5153

Protanopia

12.6251, 0.4401, 0.4888

Deuteranopia

12.6605, 0.4610, 0.4561



Tritanopia

12.7585, 0.3134, 0.3138

Trichromacy



Original Color

12.6445, 0.4067, 0.5153

Protanomaly

12.6285, 0.4273, 0.4989

Deuteranomaly

12.5927, 0.4404, 0.4784

Tritanomaly

12.5374, 0.3616, 0.4067

Monochromacy



Original Color

12.6445, 0.4067, 0.5153

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.9984, 0.3627, 0.4216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6445, 0.4067, 0.5153 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(97, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(97, 105, 0)  
}
```

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(97, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 105, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.6445, 0.4067, 0.5153 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(97, 105, 0) }
```

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

```
.border{ border-color:rgb(97, 105, 0) }
```

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

Here you see how a box with a 4 pixel rgb(97, 105, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(97, 105, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6445, 0.4067, 0.5153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 105, 0) }
```

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

```
.background{ background-color: rgb(97, 105,  
0) }
```

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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