

Converting Colors

$Y_{xy}(12.5850, 0.4083, 0.5140)$

Have a look what the booklet for
Yxy(12.5850, 0.4083, 0.5140)
contains.

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Color

Yxy(12.6998, 0.4083, 0.5140)

Conversions

Conversions Part 1

Format	Color
Hex	626900
RGB	98, 105, 0
RGB Percent	38%, 41%, 0%
CMY	0.6157, 0.5882, 1.0000
CMYK	0.07, 0.00, 1.00, 0.59
HSL	64°, 100%, 21%
HSV	64°, 100%, 41%
XYZ	10.0882, 12.6998, 1.9198
YIQ	90.9370, 29.5330, -34.1390

Conversions

Conversions Part 2

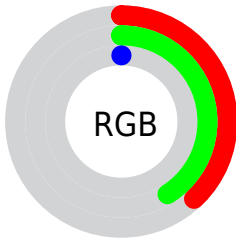
Format	Color
RYB	0, 105, 7
Decimal	6449408
CIELab	42.31, -14.59, 48.48
CIELCh	42, 50.623, 106.751
Yxy	12.6998, 0.4083, 0.5140
Android (android.graphics.Color)	4284639488 (0xFF626900)
YUV	90.9370, -44.8319, 6.1943
Hunter-Lab	35.6368, -11.8339, 21.7517

Details

The Yxy color **12.6998, 0.4083, 0.5140** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.0656, 0.1539, 0.0622**, and the grayscale version is **10.5460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7786, 0.3929, 0.4714**, and **3.6304, 0.3906, 0.5281** is the 20% darker color. If you saturate the color by 10%, you get **12.7003, 0.4083, 0.5140**, and if you desaturate by 10%, it is **12.7626, 0.4055, 0.5062**.

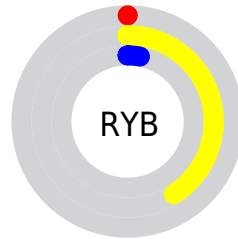
Distribution



Red (38%)

Green (41%)

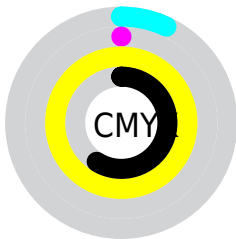
Blue (0%)



Red (0%)

Yellow (41%)

Blue (3%)

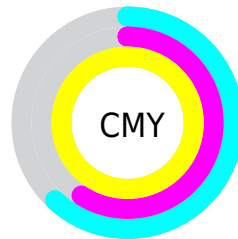


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (62%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6998, 0.4083, 0.5140 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 12.6998, 0.4083, 0.5140 by changing the saturation by 10% instead.


 12.6998, 0.4083,
0.5140


 12.6998, 0.4083,
0.5140


 208.9847, 0.3596,
0.4054


 7.2222, 0.4167,
0.5452


 30.7634, 0.3928,
0.4719


 3.6014, 0.4186,
0.5814

 44.1181, 0.3860,
0.4566


 1.4532, 0.3934,
0.6066

 60.8674, 0.3799,
0.4441

 0.2554, 0.0000,
1.0000

 81.3955, 0.3747,
0.4336


 0.0000, 0.0000,
0.0000


 106.0869, 0.3702,
0.4249


 135.3259, 0.3662,


0.4174


 169.4971, 0.3627,
0.4110


 12.6998, 0.4083,
0.5140


 12.6998, 0.4083,
0.5140


 12.7003, 0.4083,
0.5140

 12.7626, 0.4055,
0.5062

 12.8332, 0.4014,
0.4964

 12.9206, 0.3951,
0.4828

 13.0264, 0.3865,
0.4656

 13.1522, 0.3762,
0.4455

■ 13.2996, 0.3645,
0.4233

■ 13.4697, 0.3518,
0.3998

■ 13.6637, 0.3387,
0.3758

■ 13.8827, 0.3256,
0.3520

Harmonies

Analogous

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



12.6998, 0.4875, 0.4479



12.6998, 0.4083, 0.5140



12.6998, 0.3114, 0.5273

Triad

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



12.6998, 0.4083, 0.5140



12.6998, 0.1387, 0.2278



12.6998, 0.3931, 0.2417

Complementary

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



12.6998, 0.4083, 0.5140



1.0656, 0.1539, 0.0622

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.



12.6998, 0.2820, 0.1967



12.6998, 0.4083, 0.5140



12.6998, 0.1520, 0.1842

Square

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



12.6998, 0.4083, 0.5140



12.6998, 0.1594, 0.3190



12.6998, 0.1985, 0.1763



12.6998, 0.4898, 0.3036

Rectangle

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



12.6998, 0.4083, 0.5140



12.6998, 0.2480, 0.4821



12.6998, 0.1985, 0.1763



12.6998, 0.3549, 0.2243

Sweetspot

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



12.7004, 0.4083, 0.5140



24.0888, 0.3530, 0.4019



3.1558, 0.6308, 0.3373



5.6203, 0.3569, 0.4091



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.



12.7004, 0.4083, 0.5140



22.7196, 0.4080, 0.5143



10.6735, 0.3316, 0.5749



3.5738, 0.3243, 0.3497



16.0736, 0.4082, 0.5141



81.7526, 0.4075, 0.5146

Inverse Universe

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



1.0656, 0.1539, 0.0622



1.8856, 0.1529, 0.0616



1.9657, 0.2207, 0.0990



3.0339, 0.3006, 0.3076



1.3420, 0.1535, 0.0619



6.6936, 0.1515, 0.0608

Previews

White Background



This preview shows how the Yxy color 12.6998, 0.4083, 0.5140 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 12.6998, 0.4083, 0.5140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

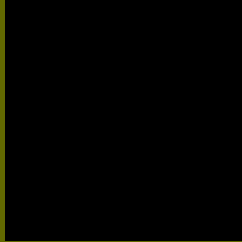
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6998, 0.4083, 0.5140

Background



This preview shows how black text looks on a background with the Yxy color 12.6998, 0.4083, 0.5140.



This preview shows how white text looks on a background with the Yxy color 12.6998, 0.4083, 0.5140.

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

12.6998, 0.4083, 0.5140

Protanopia

12.6251, 0.4401, 0.4888

Deuteranopia

12.6605, 0.4610, 0.4561



Tritanopia

12.7585, 0.3134, 0.3138

Trichromacy



Original Color

12.6998, 0.4083, 0.5140

Protanomaly

12.6909, 0.4289, 0.4977

Deuteranomaly

12.6608, 0.4420, 0.4773

Tritanomaly

12.5374, 0.3616, 0.4067

Monochromacy



Original Color

12.6998, 0.4083, 0.5140

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.0509, 0.3644, 0.4211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6998, 0.4083, 0.5140 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(98, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 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(98, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 105, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.6998, 0.4083, 0.5140 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(98, 105, 0) }
```

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

```
.border{ border-color:rgb(98, 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(98, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 105, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6998, 0.4083, 0.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 105, 0) }
```

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

```
.background{ background-color: rgb(98, 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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