

Converting Colors

$Y_{xy}(12.4722, 0.4234, 0.5020)$

Have a look what the booklet for
Yxy(12.4722, 0.4234, 0.5020)
contains.

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Color

Yxy(12.5060, 0.4241, 0.5015)

Conversions

Conversions Part 1

Format	Color
Hex	696600
RGB	105, 102, 0
RGB Percent	41%, 40%, 0%
CMY	0.5883, 0.6000, 1.0000
CMYK	0.00, 0.03, 1.00, 0.59
HSL	58°, 100%, 21%
HSV	58°, 100%, 41%
XYZ	10.5759, 12.5060, 1.8553
YIQ	91.2690, 34.5300, -31.0860

Conversions

Conversions Part 2

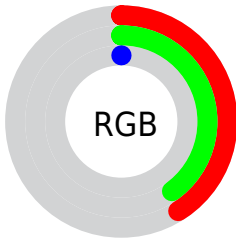
Format	Color
R_YB	3, 105, 0
Decimal	6907392
CIE Lab	42.01, -9.55, 48.55
CIE LCh	42, 49.481, 101.129
Yxy	12.5060, 0.4241, 0.5015
Android (android.graphics.Color)	4285097472 (0xFF696600)
YUV	91.2690, -44.9956, 12.0421
Hunter-Lab	35.3638, -8.5047, 21.6441

Details

The Yxy color **12.5060, 0.4241, 0.5015** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.0844, 0.1510, 0.0634**, and the grayscale version is **10.6251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4692, 0.4038, 0.4647**, and **3.6126, 0.4140, 0.5095** is the 20% darker color. If you saturate the color by 10%, you get **12.5067, 0.4241, 0.5015**, and if you desaturate by 10%, it is **12.5884, 0.4195, 0.4952**.

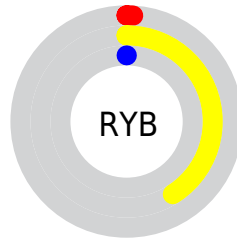
Distribution



Red (41%)

Green (40%)

Blue (0%)



Red (1%)

Yellow (41%)

Blue (0%)

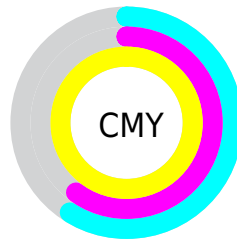


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (59%)



Cyan (59%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5060, 0.4241, 0.5015 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 12.5060, 0.4241, 0.5015 by changing the saturation by 10% instead.


 12.5060, 0.4241,
0.5015

 12.5060, 0.4241,
0.5015


 207.7270, 0.3653,
0.4022


 7.0893, 0.4364,
0.5290


 30.4134, 0.4044,
0.4638

 3.5180, 0.4425,
0.5575

 43.6728, 0.3961,
0.4499


 1.4078, 0.4260,
0.5740

 60.3153, 0.3890,
0.4383

 0.2224, 0.0000,
1.0000


 80.7252, 0.3828,
0.4286


 0.0000, 0.0000,
0.0000


 105.2869, 0.3775,
0.4204


 134.3849, 0.3729,

0.4134

 168.4034, 0.3689,
0.4074


 12.5060, 0.4241,
0.5015


 12.5060, 0.4241,
0.5015

 12.5067, 0.4241,
0.5015

 12.5884, 0.4195,
0.4952

 12.6784, 0.4136,
0.4869

 12.7850, 0.4055,
0.4748

 12.9099, 0.3952,
0.4591

 13.0547, 0.3831,
0.4405

■ 13.2208, 0.3697,
0.4196

■ 13.4096, 0.3556,
0.3972

■ 13.6221, 0.3411,
0.3743

■ 13.8595, 0.3267,
0.3513

Harmonies

Analogous

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



12.5060, 0.4959, 0.4331



12.5060, 0.4241, 0.5015



12.5060, 0.3302, 0.5279

Triad

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



12.5060, 0.4241, 0.5015



12.5060, 0.1421, 0.2427



12.5060, 0.3708, 0.2331

Complementary

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



12.5060, 0.4241, 0.5015



1.0844, 0.1510, 0.0634

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.



12.5060, 0.2645, 0.1928



12.5060, 0.4241, 0.5015



12.5060, 0.1492, 0.1914

Square

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



12.5060, 0.4241, 0.5015



12.5060, 0.1698, 0.3414



12.5060, 0.1888, 0.1775



12.5060, 0.4727, 0.2920

Rectangle

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



12.5060, 0.4241, 0.5015



12.5060, 0.2662, 0.4958



12.5060, 0.1888, 0.1775



12.5060, 0.3333, 0.2171

Sweetspot

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



12.5067, 0.4241, 0.5015



23.9866, 0.3568, 0.3992



3.0102, 0.6333, 0.3262



5.5940, 0.3612, 0.4061



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.



12.5067, 0.4241, 0.5015



22.3701, 0.4242, 0.5014



10.9412, 0.3447, 0.5645



3.5695, 0.3252, 0.3490



15.8305, 0.4241, 0.5014



80.4383, 0.4244, 0.5012

Inverse Universe

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



1.0844, 0.1510, 0.0634



1.9112, 0.1507, 0.0625



1.6725, 0.2011, 0.0882



3.0377, 0.2997, 0.3081



1.3637, 0.1509, 0.0630



6.7312, 0.1504, 0.0612

Previews

White Background



This preview shows how the Yxy color 12.5060, 0.4241, 0.5015 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

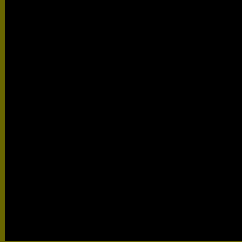
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5060, 0.4241, 0.5015

Background



This preview shows how black text looks on a background with the Yxy color 12.5060, 0.4241, 0.5015.



This preview shows how white text looks on a background with the Yxy color 12.5060, 0.4241, 0.5015.

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

12.5060, 0.4241, 0.5015

Protanopia

12.5591, 0.4385, 0.4900

Deuteranopia

12.3999, 0.4624, 0.4570



Tritanopia

12.5885, 0.3288, 0.3142

Trichromacy



Original Color

12.5060, 0.4241, 0.5015

Protanomaly

12.5586, 0.4321, 0.4951

Deuteranomaly

12.4229, 0.4489, 0.4726

Tritanomaly

12.3682, 0.3779, 0.4019

Monochromacy



Original Color

12.5060, 0.4241, 0.5015

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.9767, 0.3685, 0.4179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5060, 0.4241, 0.5015 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(105, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 102, 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(105, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.5060, 0.4241, 0.5015 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(105, 102, 0) }
```

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

```
.border{ border-color:rgb(105, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(105, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5060, 0.4241, 0.5015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 102, 0) }
```

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

```
.background{ background-color: rgb(105,  
102, 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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