

Converting Colors

$Y_{xy}(12.4742, 0.3634, 0.5496)$

Have a look what the booklet for
Yxy(12.4742, 0.3634, 0.5496)
contains.

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Color

Yxy(12.5296, 0.3624, 0.5505)

Conversions

Conversions Part 1

Format	Color
Hex	486E00
RGB	72, 110, 0
RGB Percent	28%, 43%, 0%
CMY	0.7176, 0.5686, 1.0000
CMYK	0.35, 0.00, 1.00, 0.57
HSL	81°, 100%, 22%
HSV	81°, 100%, 43%
XYZ	8.2484, 12.5296, 1.9824
YIQ	86.0980, 12.6620, -42.2660

Conversions

Conversions Part 2

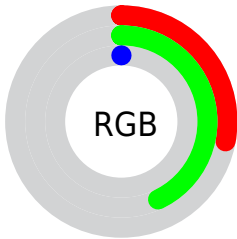
Format	Color
RYB	0, 110, 38
Decimal	4746752
CIELab	42.05, -28.83, 47.46
CIELCh	42, 55.534, 121.275
Yxy	12.5296, 0.3624, 0.5505
Android (android.graphics.Color)	4282936832 (0xFF486E00)
YUV	86.0980, -42.4463, -12.3639
Hunter-Lab	35.3972, -20.3504, 21.4575

Details

The Yxy color **12.5296, 0.3624, 0.5505** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.5379, 0.1806, 0.0769**, and the grayscale version is **9.4184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5269, 0.3596, 0.4946**, and **3.5837, 0.3232, 0.5816** is the 20% darker color. If you saturate the color by 10%, you get **12.5302, 0.3624, 0.5505**, and if you desaturate by 10%, it is **12.7050, 0.3641, 0.5378**.

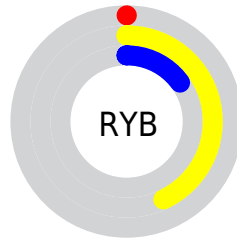
Distribution



Red (28%)

Green (43%)

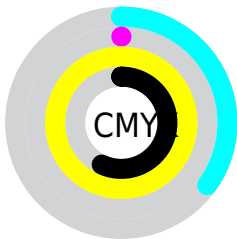
Blue (0%)



Red (0%)

Yellow (43%)

Blue (15%)

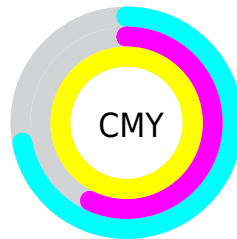


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (72%)


Magenta (57%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5296, 0.3624, 0.5505 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 12.5296, 0.3624, 0.5505 by changing the saturation by 10% instead.


 12.5296, 0.3624,
0.5505


 12.5296, 0.3624,
0.5505


 207.8805, 0.3426,
0.4141


 7.1054, 0.3602,
0.5942


 30.4561, 0.3593,
0.4946


 3.5281, 0.3473,
0.6527

 43.7271, 0.3565,
0.4754


 1.4133, 0.2851,
0.7149

 60.3827, 0.3537,
0.4600

 0.2265, 0.0000,
1.0000

 80.8070, 0.3510,
0.4474

 0.0000, 0.0000,
0.0000

 105.3846, 0.3486,
0.4369

 134.4998, 0.3464,

0.4281


 168.5369, 0.3444,
0.4206


 12.5296, 0.3624,
0.5505


 12.5296, 0.3624,
0.5505


 12.5302, 0.3624,
0.5505

 12.7050, 0.3641,
0.5378

 12.8986, 0.3647,
0.5229

 13.1196, 0.3630,
0.5037

 13.3703, 0.3592,
0.4811

 13.6526, 0.3536,
0.4562

■ 13.9681, 0.3466,
0.4300

■ 14.3186, 0.3386,
0.4035

■ 14.7054, 0.3301,
0.3774

■ 15.1299, 0.3214,
0.3525

Harmonies

Analogous

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



12.5296, 0.4607, 0.4920



12.5296, 0.3624, 0.5505



12.5296, 0.2578, 0.5193

Triad

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



12.5296, 0.3624, 0.5505



12.5296, 0.1289, 0.1903



12.5296, 0.4584, 0.2643

Complementary

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



12.5296, 0.3624, 0.5505



1.5379, 0.1806, 0.0769

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.



12.5296, 0.3353, 0.2069



12.5296, 0.3624, 0.5505



12.5296, 0.1593, 0.1651

Square

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



12.5296, 0.3624, 0.5505



12.5296, 0.1319, 0.2609



12.5296, 0.2270, 0.1722



12.5296, 0.5347, 0.3341

Rectangle

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



12.5296, 0.3624, 0.5505



12.5296, 0.1976, 0.4370



12.5296, 0.2270, 0.1722



12.5296, 0.4192, 0.2433

Sweetspot

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



12.5302, 0.3624, 0.5505



25.0935, 0.3393, 0.4056



4.6177, 0.5796, 0.3780



5.7934, 0.3419, 0.4139



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.5302, 0.3624, 0.5505



21.9367, 0.3609, 0.5516



11.2843, 0.3072, 0.5943



3.8614, 0.3206, 0.3501



15.0356, 0.3619, 0.5509



74.4070, 0.3588, 0.5533

Inverse Universe

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



1.5379, 0.1806, 0.0769



2.6383, 0.1781, 0.0755



3.3841, 0.2810, 0.1322



3.3513, 0.3044, 0.3076



1.8322, 0.1797, 0.0764



8.6893, 0.1745, 0.0735

Previews

White Background



This preview shows how the Yxy color 12.5296, 0.3624, 0.5505 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 12.5296, 0.3624, 0.5505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

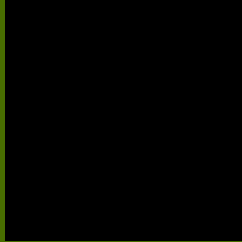
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5296, 0.3624, 0.5505

Background



This preview shows how black text looks on a background with the Yxy color 12.5296, 0.3624, 0.5505.



This preview shows how white text looks on a background with the Yxy color 12.5296, 0.3624, 0.5505.

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

12.5296, 0.3624, 0.5505

Protanopia

12.3684, 0.4403, 0.4886

Deuteranopia

12.4195, 0.4587, 0.4523



Tritanopia

12.4675, 0.2771, 0.3104

Trichromacy



Original Color

12.5296, 0.3624, 0.5505

Protanomaly

12.2419, 0.4097, 0.5129

Deuteranomaly

12.2076, 0.4236, 0.4891

Tritanomaly

12.2076, 0.3208, 0.4174

Monochromacy



Original Color

12.5296, 0.3624, 0.5505

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.2096, 0.3473, 0.4337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5296, 0.3624, 0.5505 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(72, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(72, 110, 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(72, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.5296, 0.3624, 0.5505 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(72, 110, 0) }
```

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

```
.border{ border-color:rgb(72, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(72, 110, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5296, 0.3624, 0.5505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 110, 0) }
```

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

```
.background{ background-color: rgb(72, 110,  
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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