

Converting Colors

$Y_{xy}(12.5086, 0.3296, 0.4863)$

Have a look what the booklet for
Yxy(12.5086, 0.3296, 0.4863)
contains.

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Color

Yxy(12.6305, 0.3297, 0.4862)

Conversions

Conversions Part 1

Format	Color
Hex	456E30
RGB	69, 110, 48
RGB Percent	27%, 43%, 19%
CMY	0.7293, 0.5686, 0.8118
CMYK	0.37, 0.00, 0.56, 0.57
HSL	100°, 39%, 31%
HSV	100°, 56%, 43%
XYZ	8.5649, 12.6305, 4.7825
YIQ	90.6730, -4.5340, -27.9740

Conversions

Conversions Part 2

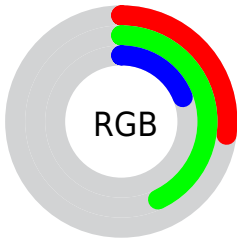
Format	Color
R_{YB}	48, 110, 89
Decimal	4550192
CIE _{Lab}	42.20, -26.70, 29.78
CIE _{LCh}	42, 39.999, 131.881
Yxy	12.6305, 0.3297, 0.4862
Android (android.graphics.Color)	4282740272 (0xFF456E30)
YUV	90.6730, -21.0378, -19.0072
Hunter-Lab	35.5394, -19.1758, 16.8989

Details

The Yxy color **12.6305, 0.3297, 0.4862** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.3621, 0.2782, 0.1867**, and the grayscale version is **10.4345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6783, 0.3289, 0.4431**, and **3.5940, 0.3248, 0.5803** is the 20% darker color. If you saturate the color by 10%, you get **12.3013, 0.3299, 0.5149**, and if you desaturate by 10%, it is **13.0159, 0.3283, 0.4560**.

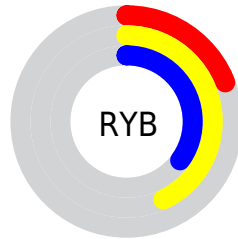
Distribution



Red (27%)

Green (43%)

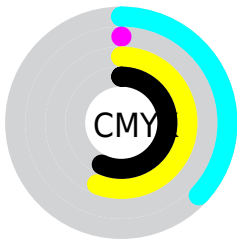
Blue (19%)



Red (19%)

Yellow (43%)

Blue (35%)

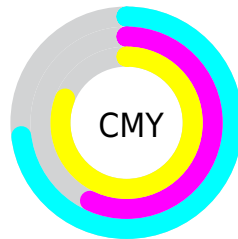


Cyan (37%)

Magenta (0%)

Yellow (56%)

Black (57%)



Cyan (73%)


Magenta (57%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6305, 0.3297, 0.4862 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 12.6305, 0.3297, 0.4862 by changing the saturation by 10% instead.


 12.6305, 0.3297,
0.4862


 12.6305, 0.3297,
0.4862


208.5358, 0.3232,
0.3866


 7.1746, 0.3282,
0.5217


 30.6383, 0.3288,
0.4431


 3.5715, 0.3240,
0.5796


 43.9591, 0.3278,
0.4292


 1.4369, 0.3055,
0.6945

 60.6702, 0.3269,
0.4182

 0.2437, 0.0000,
1.0000

 81.1562, 0.3260,
0.4094

 0.0000, 0.0000,
0.0000

 105.8013, 0.3252,
0.4022

 134.9900, 0.3245,

0.3961

169.1067, 0.3238,
0.3910

■ 12.6305, 0.3297,
0.4862

■ 12.6305, 0.3297,
0.4862

■ 12.3013, 0.3299,
0.5149

■ 13.0159, 0.3283,
0.4560

■ 12.0239, 0.3286,
0.5405

■ 13.4585, 0.3258,
0.4258

■ 11.7955, 0.3258,
0.5615

■ 13.9613, 0.3227,
0.3966

■ 11.6103, 0.3220,
0.5777

■ 14.5266, 0.3191,
0.3692

■ 11.5505, 0.3208,
0.5835

■ 15.1566, 0.3152,
0.3439

■ 15.8534, 0.3113,
0.3209

■ 16.6189, 0.3074,
0.3003

■ 17.4550, 0.3036,
0.2819

■ 18.3635, 0.3000,
0.2655

Harmonies

Analogous

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



12.6305, 0.4081, 0.4746



12.6305, 0.3297, 0.4862



12.6305, 0.2510, 0.4324

Triad

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



12.6305, 0.3297, 0.4862



12.6305, 0.1747, 0.2141



12.6305, 0.4436, 0.3021

Complementary

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



12.6305, 0.3297, 0.4862



5.3621, 0.2782, 0.1867

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.



12.6305, 0.3631, 0.2502



12.6305, 0.3297, 0.4862



12.6305, 0.2106, 0.2011

Square

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



12.6305, 0.3297, 0.4862



12.6305, 0.1685, 0.2590



12.6305, 0.2762, 0.2145



12.6305, 0.4820, 0.3622

Rectangle

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



12.6305, 0.3297, 0.4862



12.6305, 0.2094, 0.3708



12.6305, 0.2762, 0.2145



12.6305, 0.4198, 0.2835

Sweetspot

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



12.6310, 0.3297, 0.4862



25.3988, 0.3195, 0.3721



10.5569, 0.4139, 0.4170



5.8771, 0.3200, 0.3758



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.



12.6310, 0.3297, 0.4862



21.4261, 0.3296, 0.5241



12.0783, 0.2961, 0.4743



3.8131, 0.3163, 0.3504



13.8610, 0.3202, 0.5840



68.6152, 0.3166, 0.5868

Inverse Universe

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



5.3621, 0.2782, 0.1867



7.2141, 0.2668, 0.1562



6.3624, 0.3372, 0.2184



3.3996, 0.3089, 0.3079



3.0235, 0.2399, 0.1095



14.5730, 0.2356, 0.1071

Previews

White Background



This preview shows how the Yxy color 12.6305, 0.3297, 0.4862 looks on a white background.

Color Contrast Check

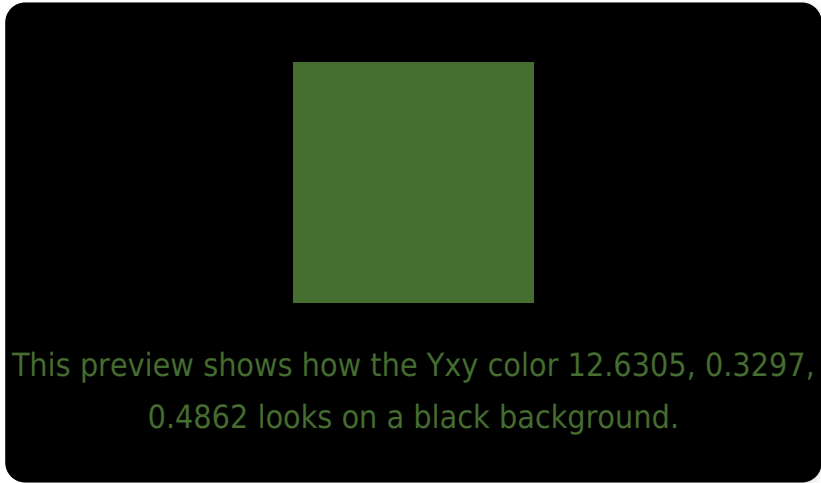
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6305, 0.3297, 0.4862

Background



This preview shows how black text looks on a background with the Yxy color 12.6305, 0.3297, 0.4862.



This preview shows how white text looks on a background with the Yxy color 12.6305, 0.3297, 0.4862.

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

12.6305, 0.3297, 0.4862

Protanopia

12.4281, 0.4048, 0.4427

Deuteranopia

12.5699, 0.4202, 0.4147



Tritanopia

12.5326, 0.2703, 0.3079

Trichromacy



Original Color

12.6305, 0.3297, 0.4862

Protanomaly

12.3306, 0.3751, 0.4596

Deuteranomaly

12.2369, 0.3851, 0.4384

Tritanomaly

12.5252, 0.2923, 0.3713

Monochromacy



Original Color

12.6305, 0.3297, 0.4862

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.0824, 0.3219, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6305, 0.3297, 0.4862 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(69, 110, 48)` looks like.

```
.text, #text, p{  
    color:rgb(69, 110, 48)  
}
```

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(69, 110, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 110, 48) }
```

Border

The CSS property to change the border of an element to Yxy 12.6305, 0.3297, 0.4862 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(69, 110, 48) }
```

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

```
.border{ border-color:rgb(69, 110, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 110, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 110, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 110, 48);  
box-shadow:4px 4px 4px 4px rgb(69, 110,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6305, 0.3297, 0.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 110, 48) }
```

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

```
.background{ background-color: rgb(69, 110,  
48) }
```

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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