

Converting Colors

$Y_{xy}(16.7416, 0.3086, 0.4598)$

Have a look what the booklet for
Yxy(16.7416, 0.3086, 0.4598)
contains.

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Color

Yxy(16.7416, 0.3086, 0.4598)

Conversions

Conversions Part 1

Format	Color
Hex	487E46
RGB	72, 126, 70
RGB Percent	28%, 49%, 27%
CMY	0.7178, 0.5058, 0.7255
CMYK	0.43, 0.00, 0.44, 0.51
HSL	118°, 29%, 38%
HSV	118°, 44%, 49%
XYZ	11.2363, 16.7416, 8.4327
YIQ	103.4700, -14.2080, -28.8640

Conversions

Conversions Part 2

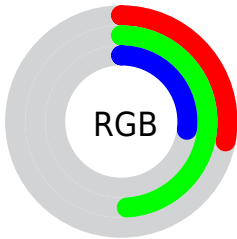
Format	Color
RYB	70, 126, 124
Decimal	4750918
CIELab	47.93, -30.18, 24.98
CIElCh	48, 39.174, 140.385
Yxy	16.7416, 0.3086, 0.4598
Android (android.graphics.Color)	4282940998 (0xFF487E46)
YUV	103.4700, -16.5007, -27.5992
Hunter-Lab	40.9165, -22.5850, 16.4222

Details

The Yxy color **16.7416, 0.3086, 0.4598** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.1751, 0.3144, 0.2241**, and the grayscale version is **13.7399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8572, 0.3122, 0.4258**, and **5.3878, 0.2978, 0.5264** is the 20% darker color. If you saturate the color by 10%, you get **16.1778, 0.3072, 0.4939**, and if you desaturate by 10%, it is **17.4326, 0.3098, 0.4262**.

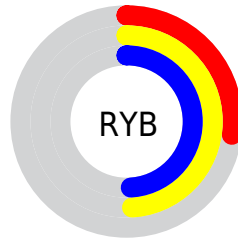
Distribution



Red (28%)

Green (49%)

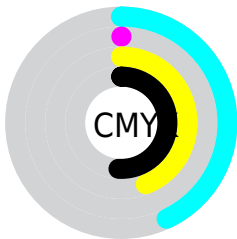
Blue (27%)



Red (27%)

Yellow (49%)

Blue (49%)

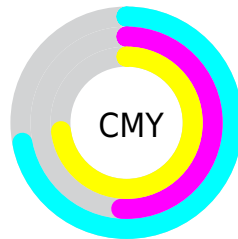


Cyan (43%)

Magenta (0%)

Yellow (44%)

Black (51%)



Cyan (72%)


Magenta (51%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7416, 0.3086, 0.4598 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 16.7416, 0.3086, 0.4598 by changing the saturation by 10% instead.


 16.7416, 0.3086,
0.4598


 16.7416, 0.3086,
0.4598

233.6789, 0.3136,
0.3794


 10.0504, 0.3052,
0.4873


 37.8810, 0.3116,
0.4258


 5.4324, 0.2984,
0.5284

 53.0979, 0.3123,
0.4146

 2.5031, 0.2896,
0.6093

 71.9256, 0.3128,
0.4057

 0.8782, 0.1004,
0.8996

 94.7485, 0.3131,
0.3984

 0.0000, 0.0000,
0.0000

 121.9508, 0.3133,
0.3924

153.9171, 0.3134,

0.3874

191.0316, 0.3135,
0.3831

■ 16.7416, 0.3086,
0.4598

■ 16.7416, 0.3086,
0.4598

■ 16.1778, 0.3072,
0.4939

■ 17.4326, 0.3098,
0.4262

■ 15.7316, 0.3057,
0.5265

■ 18.2557, 0.3109,
0.3944

■ 15.3952, 0.3041,
0.5550


■ 19.2181, 0.3118,
0.3654


■ 15.1591, 0.3026,
0.5774

■ 20.3257, 0.3125,
0.3395


■ 15.0116, 0.3014,
0.5922


■ 21.5842, 0.3130,
0.3167

 14.9525, 0.3012,
0.5991

 22.9991, 0.3134,
0.2969

 24.5753, 0.3137,
0.2797

 26.3179, 0.3140,
0.2648

 28.2314, 0.3142,
0.2520

Harmonies

Analogous

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



16.7416, 0.3815, 0.4675



16.7416, 0.3086, 0.4598



16.7416, 0.2407, 0.3983

Triad

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



16.7416, 0.3086, 0.4598



16.7416, 0.1937, 0.2190



16.7416, 0.4440, 0.3209

Complementary

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



16.7416, 0.3086, 0.4598



10.1751, 0.3144, 0.2241

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.



16.7416, 0.3804, 0.2700



16.7416, 0.3086, 0.4598



16.7416, 0.2349, 0.2137

Square

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



16.7416, 0.3086, 0.4598



16.7416, 0.1803, 0.2522



16.7416, 0.3014, 0.2321



16.7416, 0.4653, 0.3773

Rectangle

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



16.7416, 0.3086, 0.4598



16.7416, 0.2074, 0.3429



16.7416, 0.3014, 0.2321



16.7416, 0.4265, 0.3030

Sweetspot

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



16.7423, 0.3086, 0.4598



34.0333, 0.3119, 0.3623



19.0962, 0.3779, 0.4290



7.6637, 0.3117, 0.3674



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.7423, 0.3086, 0.4598



28.4910, 0.3072, 0.4932



17.0559, 0.2828, 0.3999



4.8254, 0.3122, 0.3512



15.3370, 0.3012, 0.5991



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.1751, 0.3144, 0.2241



15.4092, 0.3144, 0.2036



9.7519, 0.3615, 0.2684



4.4050, 0.3132, 0.3077



5.7589, 0.3125, 0.1495



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.7416, 0.3086, 0.4598 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 16.7416, 0.3086, 0.4598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

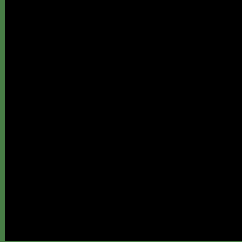
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7416, 0.3086, 0.4598

Background



This preview shows how black text looks on a background with the Yxy color 16.7416, 0.3086, 0.4598.



This preview shows how white text looks on a background with the Yxy color 16.7416, 0.3086, 0.4598.

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

16.7416, 0.3086, 0.4598

Protanopia

16.4770, 0.3887, 0.4222

Deuteranopia

16.4538, 0.3991, 0.3920



Tritanopia

16.6634, 0.2627, 0.3079

Trichromacy



Original Color

16.7416, 0.3086, 0.4598

Protanomaly

16.3654, 0.3556, 0.4370

Deuteranomaly

16.2532, 0.3618, 0.4158

Tritanomaly

16.7073, 0.2796, 0.3600

Monochromacy



Original Color

16.7416, 0.3086, 0.4598

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3995, 0.3119, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7416, 0.3086, 0.4598 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, 126, 70)` looks like.

```
.text, #text, p{  
    color:rgb(72, 126, 70)  
}
```

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, 126, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 126, 70) }
```

Border

The CSS property to change the border of an element to Yxy 16.7416, 0.3086, 0.4598 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, 126, 70) }
```

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

```
.border{ border-color:rgb(72, 126, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 126, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 126, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 126, 70);  
box-shadow:4px 4px 4px 4px rgb(72, 126,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7416, 0.3086, 0.4598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 126, 70) }
```

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

```
.background{ background-color: rgb(72, 126,  
70) }
```

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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