

Converting Colors

$Y_{xy}(17.2342, 0.3726, 0.4807)$

Have a look what the booklet for
Yxy(17.2342, 0.3726, 0.4807)
contains.

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Color

Yxy(17.1276, 0.3723, 0.4795)

Conversions

Conversions Part 1

Format	Color
Hex	697A2F
RGB	105, 122, 47
RGB Percent	41%, 48%, 18%
CMY	0.5882, 0.5216, 0.8157
CMYK	0.14, 0.00, 0.61, 0.52
HSL	74°, 44%, 33%
HSV	74°, 61%, 48%
XYZ	13.2984, 17.1276, 5.2937
YIQ	108.3670, 13.9430, -26.9290

Conversions

Conversions Part 2

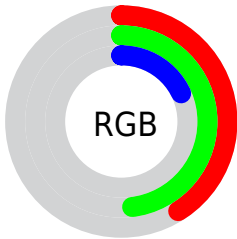
Format	Color
RYB	47, 122, 64
Decimal	6912559
CIELab	48.42, -18.10, 38.07
CIElCh	48, 42.159, 115.429
Yxy	17.1276, 0.3723, 0.4795
Android (android.graphics.Color)	4285102639 (0xFF697A2F)
YUV	108.3670, -30.2539, -2.9529
Hunter-Lab	41.3855, -15.0670, 21.3860

Details

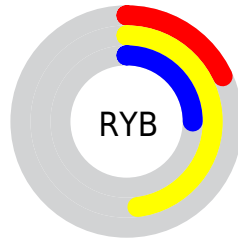
The Yxy color **17.1276, 0.3723, 0.4795** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.5277, 0.2207, 0.1504**, and the grayscale version is **15.1890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3857, 0.3622, 0.4435**, and **5.5773, 0.3805, 0.5361** is the 20% darker color. If you saturate the color by 10%, you get **16.8786, 0.3777, 0.4993**, and if you desaturate by 10%, it is **17.4112, 0.3650, 0.4568**.

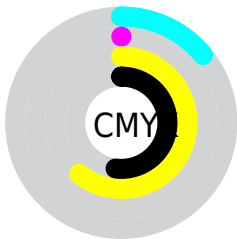
Distribution



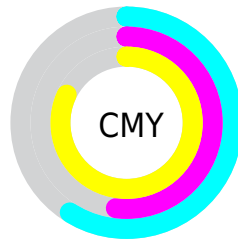
- Red (41%)
- Green (48%)
- Blue (18%)



- Red (18%)
- Yellow (48%)
- Blue (25%)



- Cyan (14%)
- Magenta (0%)
- Yellow (61%)
- Black (52%)




- Cyan (59%)
- Magenta (52%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1276, 0.3723, 0.4795 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 17.1276, 0.3723, 0.4795 by changing the saturation by 10% instead.


 17.1276, 0.3723,
0.4795


 17.1276, 0.3723,
0.4795


 235.9066, 0.3418,
0.3906


 10.3255, 0.3781,
0.5062


 38.5450, 0.3618,
0.4437


 5.6153, 0.3831,
0.5430

 53.9292, 0.3576,
0.4313


 2.6126, 0.3915,
0.6085

 72.9428, 0.3540,
0.4212

 0.9330, 0.3225,
0.6775

 95.9702, 0.3508,
0.4129

 0.0000, 0.0000,
0.0000

 123.3960, 0.3481,
0.4060

 155.6043, 0.3457,

0.4001

192.9798, 0.3436,
0.3950

■ 17.1276, 0.3723,
0.4795

■ 17.1276, 0.3723,
0.4795

■ 16.8786, 0.3777,
0.4993

■ 17.4112, 0.3650,
0.4568

■ 16.6593, 0.3808,
0.5154

■ 17.7291, 0.3561,
0.4322

■ 16.4679, 0.3815,
0.5273

■ 18.0841, 0.3462,
0.4067

■ 16.3180, 0.3811,
0.5356

■ 18.4779, 0.3357,
0.3812

■ 18.9122, 0.3249,
0.3562

■ 19.3886, 0.3143,
0.3324

■ 19.9085, 0.3039,
0.3100

■ 20.4733, 0.2941,
0.2893

■ 21.0843, 0.2848,
0.2703

Harmonies

Analogous

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



17.1276, 0.4385, 0.4450



17.1276, 0.3723, 0.4795



17.1276, 0.2944, 0.4624

Triad

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



17.1276, 0.3723, 0.4795



17.1276, 0.1732, 0.2388



17.1276, 0.3984, 0.2746

Complementary

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



17.1276, 0.3723, 0.4795



4.5277, 0.2207, 0.1504

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.



17.1276, 0.3141, 0.2321



17.1276, 0.3723, 0.4795



17.1276, 0.1922, 0.2097

Square

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



17.1276, 0.3723, 0.4795



17.1276, 0.1837, 0.3009



17.1276, 0.2401, 0.2090



17.1276, 0.4603, 0.3294

Rectangle

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



17.1276, 0.3723, 0.4795



17.1276, 0.2463, 0.4174



17.1276, 0.2401, 0.2090



17.1276, 0.3710, 0.2587

Sweetspot

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



17.1284, 0.3723, 0.4795



32.7316, 0.3324, 0.3735



7.9254, 0.4711, 0.3614



7.4435, 0.3350, 0.3795



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.1284, 0.3723, 0.4795



29.5207, 0.3793, 0.5067



15.3628, 0.3251, 0.5058



4.5903, 0.3223, 0.3504



17.1757, 0.3810, 0.5357



81.5368, 0.3790, 0.5373

Inverse Universe

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



4.5277, 0.2207, 0.1504



5.2807, 0.1964, 0.1111



6.1902, 0.2808, 0.1761



3.9333, 0.3026, 0.3071



1.7308, 0.1647, 0.0681



7.9331, 0.1608, 0.0660

Previews

White Background



This preview shows how the Yxy color 17.1276, 0.3723, 0.4795 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 17.1276, 0.3723, 0.4795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

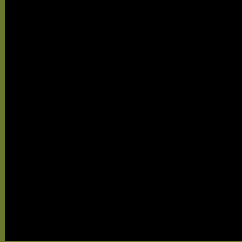
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1276, 0.3723, 0.4795

Background



This preview shows how black text looks on a background with the Yxy color 17.1276, 0.3723, 0.4795.



This preview shows how white text looks on a background with the Yxy color 17.1276, 0.3723, 0.4795.

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

17.1276, 0.3723, 0.4795

Protanopia

17.0401, 0.4135, 0.4544

Deuteranopia

16.9271, 0.4344, 0.4270



Tritanopia

17.0421, 0.3021, 0.3114

Trichromacy



Original Color

17.1276, 0.3723, 0.4795

Protanomaly

17.1472, 0.3979, 0.4636

Deuteranomaly

16.9320, 0.4113, 0.4451

Tritanomaly

16.9283, 0.3314, 0.3744

Monochromacy



Original Color

17.1276, 0.3723, 0.4795

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.6079, 0.3382, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1276, 0.3723, 0.4795 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, 122, 47)` looks like.

```
.text, #text, p{  
    color:rgb(105, 122, 47)  
}
```

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, 122, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 122, 47) }
```

Border

The CSS property to change the border of an element to Yxy 17.1276, 0.3723, 0.4795 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, 122, 47) }
```

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

```
.border{ border-color:rgb(105, 122, 47) }
```

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

Here you see how a box with a 4 pixel rgb(105, 122, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 122, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 122, 47);  
box-shadow:4px 4px 4px 4px rgb(105, 122,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1276, 0.3723, 0.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 122, 47) }
```

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

```
.background{ background-color: rgb(105,  
122, 47) }
```

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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