

Converting Colors

$Y_{xy}(16.8720, 0.4086, 0.4738)$

Have a look what the booklet for
Yxy(16.8720, 0.4086, 0.4738)
contains.

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Color

Yxy(16.9149, 0.4086, 0.4745)

Conversions

Conversions Part 1

Format	Color
Hex	797524
RGB	121, 117, 36
RGB Percent	47%, 46%, 14%
CMY	0.5255, 0.5412, 0.8588
CMYK	0.00, 0.03, 0.70, 0.53
HSL	57°, 54%, 31%
HSV	57°, 70%, 47%
XYZ	14.5657, 16.9149, 4.1672
YIQ	108.9620, 28.3850, -24.3430

Conversions

Conversions Part 2

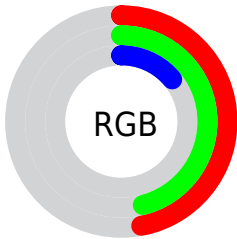
Format	Color
R_{YB}	40, 121, 36
Decimal	7959844
CIE _{Lab}	48.15, -8.95, 43.21
CIE _{LCh}	48, 44.126, 101.705
Yxy	16.9149, 0.4086, 0.4745
Android (android.graphics.Color)	4286149924 (0xFF797524)
YUV	108.9620, -35.9703, 10.5573
Hunter-Lab	41.1277, -8.7563, 22.7819

Details

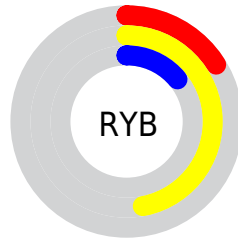
The Yxy color **16.9149, 0.4086, 0.4745** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2749, 0.1851, 0.1228**, and the grayscale version is **15.3805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2779, 0.3906, 0.4427**, and **5.5215, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **16.7213, 0.4170, 0.4861**, and if you desaturate by 10%, it is **17.1359, 0.3979, 0.4592**.

Distribution



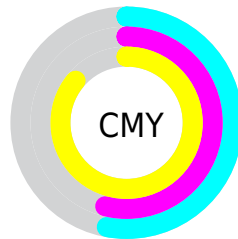
- Red (47%)
- Green (46%)
- Blue (14%)



- Red (16%)
- Yellow (47%)
- Blue (14%)



- Cyan (0%)
- Magenta (3%)
- Yellow (70%)
- Black (53%)



- Cyan (53%)
- Magenta (54%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9149, 0.4086, 0.4745 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 16.9149, 0.4086, 0.4745 by changing the saturation by 10% instead.

■ 16.9149, 0.4086,
0.4745

■ 16.9149, 0.4086,
0.4745

■ 234.6815, 0.3576,
0.3918

■ 10.1738, 0.4197,
0.4965

■ 38.1794, 0.3904,
0.4427

■ 5.5144, 0.4352,
0.5291

■ 53.4716, 0.3833,
0.4312

■ 2.5521, 0.4405,
0.5595

■ 72.3830, 0.3773,
0.4217

■ 0.9026, 0.4146,
0.5854

■ 95.2980, 0.3721,
0.4137

■ 0.0000, 0.0000,
0.0000

■ 122.6009, 0.3677,
0.4070

■ 154.6762, 0.3639,

0.4012

191.9083, 0.3605,
0.3962

16.9149, 0.4086,
0.4745

16.9149, 0.4086,
0.4745

16.7213, 0.4170,
0.4861

17.1359, 0.3979,
0.4592

16.5502, 0.4231,
0.4937

17.3842, 0.3854,
0.4407

16.3963, 0.4275,
0.4988

17.6626, 0.3716,
0.4199

17.9729, 0.3569,
0.3976

18.3169, 0.3420,
0.3747

■ 18.6961, 0.3273,
0.3518

■ 19.1119, 0.3130,
0.3295

■ 19.5658, 0.2995,
0.3082

■ 20.0590, 0.2869,
0.2882

Harmonies

Analogous

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



16.9149, 0.4660, 0.4234



16.9149, 0.4086, 0.4745



16.9149, 0.3302, 0.4865

Triad

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



16.9149, 0.4086, 0.4745



16.9149, 0.1685, 0.2593



16.9149, 0.3626, 0.2498

Complementary

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



16.9149, 0.4086, 0.4745



3.2749, 0.1851, 0.1228

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.



16.9149, 0.2757, 0.2143



16.9149, 0.4086, 0.4745



16.9149, 0.1745, 0.2142

Square

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



16.9149, 0.4086, 0.4745



16.9149, 0.1938, 0.3394



16.9149, 0.2103, 0.2010



16.9149, 0.4433, 0.3017

Rectangle

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



16.9149, 0.4086, 0.4745



16.9149, 0.2763, 0.4579



16.9149, 0.2103, 0.2010



16.9149, 0.3325, 0.2358

Sweetspot

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



16.9157, 0.4086, 0.4745



32.7144, 0.3440, 0.3777



5.4830, 0.5236, 0.3224



7.4488, 0.3472, 0.3827



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.



16.9157, 0.4086, 0.4745



29.7559, 0.4209, 0.4911



15.6318, 0.3514, 0.5132



4.6031, 0.3256, 0.3492



17.5646, 0.4275, 0.4988



83.4263, 0.4279, 0.4984

Inverse Universe

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



3.2749, 0.1851, 0.1228



3.6917, 0.1630, 0.0848



4.1095, 0.2344, 0.1390



3.9211, 0.2994, 0.3080



1.6072, 0.1513, 0.0646



7.3173, 0.1506, 0.0620

Previews

White Background



This preview shows how the Yxy color 16.9149, 0.4086, 0.4745 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 16.9149, 0.4086, 0.4745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

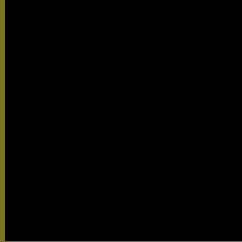
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9149, 0.4086, 0.4745

Background



This preview shows how black text looks on a background with the Yxy color 16.9149, 0.4086, 0.4745.



This preview shows how white text looks on a background with the Yxy color 16.9149, 0.4086, 0.4745.

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

16.9149, 0.4086, 0.4745

Protanopia

16.9720, 0.4217, 0.4667

Deuteranopia

16.9234, 0.4473, 0.4411



Tritanopia

16.8345, 0.3271, 0.3121

Trichromacy



Original Color

16.9149, 0.4086, 0.4745

Protanomaly

16.9721, 0.4162, 0.4707

Deuteranomaly

16.8792, 0.4331, 0.4531

Tritanomaly

16.6529, 0.3617, 0.3762

Monochromacy



Original Color

16.9149, 0.4086, 0.4745

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.7082, 0.3523, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9149, 0.4086, 0.4745 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(121, 117, 36)` looks like.

```
.text, #text, p{  
    color:rgb(121, 117, 36)  
}
```

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(121, 117, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 117, 36) }
```

Border

The CSS property to change the border of an element to Yxy 16.9149, 0.4086, 0.4745 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(121, 117, 36) }
```

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

```
.border{ border-color:rgb(121, 117, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 117, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 117, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 117, 36);  
box-shadow:4px 4px 4px 4px rgb(121, 117,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9149, 0.4086, 0.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 117, 36) }
```

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

```
.background{ background-color: rgb(121,  
117, 36) }
```

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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