

Converting Colors

$Y_{xy}(15.7796, 0.2746, 0.4939)$

Have a look what the booklet for
Yxy(15.7796, 0.2746, 0.4939)
contains.

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Color

Yxy(15.9101, 0.2745, 0.4940)

Conversions

Conversions Part 1

Format	Color
Hex	0F8040
RGB	15, 128, 64
RGB Percent	6%, 50%, 25%
CMY	0.9415, 0.4980, 0.7490
CMYK	0.88, 0.00, 0.50, 0.50
HSL	146°, 79%, 28%
HSV	146°, 88%, 50%
XYZ	8.8407, 15.9101, 7.4558
YIQ	86.9170, -46.8040, -43.8600

Conversions

Conversions Part 2

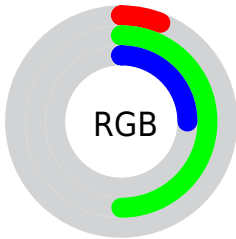
Format	Color
RYB	15, 94, 128
Decimal	1015872
CIELab	46.86, -44.39, 26.55
CIELCh	47, 51.722, 149.115
Yxy	15.9101, 0.2745, 0.4940
Android (android.graphics.Color)	4279205952 (0xFF0F8040)
YUV	86.9170, -11.2981, -63.0712
Hunter-Lab	39.8875, -30.2400, 16.8386

Details

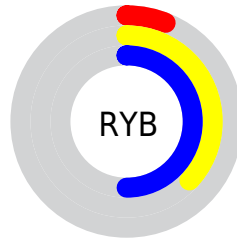
The Yxy color **15.9101, 0.2745, 0.4940** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.4926, 0.4392, 0.2302**, and the grayscale version is **9.5401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4872, 0.2866, 0.4493**, and **5.3514, 0.2886, 0.5590** is the 20% darker color. If you saturate the color by 10%, you get **15.7463, 0.2766, 0.5136**, and if you desaturate by 10%, it is **16.1408, 0.2738, 0.4733**.

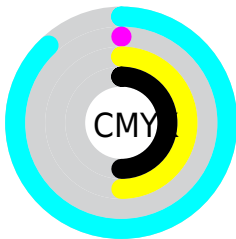
Distribution



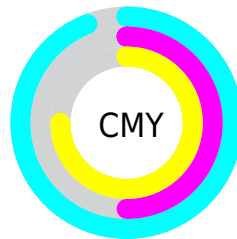
- Red (6%)
- Green (50%)
- Blue (25%)



- Red (6%)
- Yellow (37%)
- Blue (50%)



- Cyan (88%)
- Magenta (0%)
- Yellow (50%)
- Black (50%)





- Cyan (94%)
- Magenta (50%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9101, 0.2745, 0.4940 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 15.9101, 0.2745, 0.4940 by changing the saturation by 10% instead.


 15.9101, 0.2745,
0.4940


 15.9101, 0.2745,
0.4940


228.8107, 0.3008,
0.3902


 9.4606, 0.2634,
0.5309


 36.4421, 0.2868,
0.4493


 5.0428, 0.2447,
0.5872

 51.2933, 0.2904,
0.4348


 2.2724, 0.2199,
0.7241

 69.7138, 0.2932,
0.4234

 0.7590, 0.0000,
1.0000

 92.0881, 0.2954,
0.4142

 0.0000, 0.0000,
0.0000

 118.8006, 0.2972,
0.4066

 150.2355, 0.2986,

0.4002

186.7774, 0.2998,
0.3948

■ 15.9101, 0.2745,
0.4940

■ 15.9101, 0.2745,
0.4940

■ 15.7463, 0.2766,
0.5136

■ 16.1408, 0.2738,
0.4733

■ 15.7208, 0.2769,
0.5168

■ 16.4585, 0.2748,
0.4519

■ 16.8731, 0.2776,
0.4307

■ 17.3923, 0.2817,
0.4100

■ 18.0233, 0.2870,
0.3904

■ 18.7725, 0.2931,
0.3722

■ 19.6458, 0.2998,
0.3555

■ 20.6486, 0.3068,
0.3404

■ 21.7863, 0.3139,
0.3269

Harmonies

Analogous

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



15.9101, 0.3685, 0.5194



15.9101, 0.2745, 0.4940



15.9101, 0.1960, 0.3893

Triad

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



15.9101, 0.2745, 0.4940



15.9101, 0.1728, 0.1834



15.9101, 0.5028, 0.3330

Complementary

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



15.9101, 0.2745, 0.4940



5.4926, 0.4392, 0.2302

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.



15.9101, 0.4317, 0.2689



15.9101, 0.2745, 0.4940



15.9101, 0.2324, 0.1873

Square

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



15.9101, 0.2745, 0.4940



15.9101, 0.1469, 0.2107



15.9101, 0.3258, 0.2174



15.9101, 0.5069, 0.4029

Rectangle

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



15.9101, 0.2745, 0.4940



15.9101, 0.1632, 0.3119



15.9101, 0.3258, 0.2174



15.9101, 0.4859, 0.3108

Sweetspot

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



15.9107, 0.2745, 0.4940



33.1523, 0.2936, 0.3709



17.1363, 0.3519, 0.5468



7.6689, 0.2918, 0.3758



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.9107, 0.2745, 0.4940



27.6487, 0.2780, 0.5208



16.9079, 0.2321, 0.3463



4.8473, 0.3062, 0.3415



15.5873, 0.2769, 0.5167



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.4926, 0.4392, 0.2302



8.8848, 0.4667, 0.2344



4.9889, 0.5961, 0.3225



4.3818, 0.3197, 0.3169



5.0205, 0.4626, 0.2322



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9101, 0.2745, 0.4940 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 15.9101, 0.2745, 0.4940 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 15.9101, 0.2745, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 15.9101, 0.2745, 0.4940.



This preview shows how white text looks on a background with the Yxy color 15.9101, 0.2745, 0.4940.

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

15.9101, 0.2745, 0.4940

Protanopia

15.8119, 0.3957, 0.4323

Deuteranopia

15.7368, 0.4017, 0.3968



Tritanopia

15.9903, 0.2362, 0.3088

Trichromacy



Original Color

15.9101, 0.2745, 0.4940



Protanomaly

14.8878, 0.3335, 0.4621



Deuteranomaly

14.6256, 0.3356, 0.4353



Tritanomaly

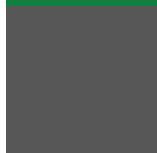
15.8680, 0.2489, 0.3723

Monochromacy



Original Color

15.9101, 0.2745, 0.4940



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.0594, 0.2862, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9101, 0.2745, 0.4940 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(15, 128, 64)` looks like.

```
.text, #text, p{  
    color:rgb(15, 128, 64)  
}
```

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(15, 128, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 128, 64) }
```

Border

The CSS property to change the border of an element to Yxy 15.9101, 0.2745, 0.4940 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(15, 128, 64) }
```

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

```
.border{ border-color:rgb(15, 128, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 128, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 128, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 128, 64);  
box-shadow:4px 4px 4px 4px rgb(15, 128,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9101, 0.2745, 0.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 128, 64) }
```

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

```
.background{ background-color: rgb(15, 128,  
64) }
```

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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