

Converting Colors

$Y_{xy}(67.7750, 0.4145, 0.4912)$

Have a look what the booklet for
Yxy(67.7750, 0.4145, 0.4912)
contains.

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Color

Yxy(67.7819, 0.4144, 0.4915)

Conversions

Conversions Part 1

Format	Color
Hex	E0DD31
RGB	224, 221, 49
RGB Percent	88%, 87%, 19%
CMY	0.1216, 0.1333, 0.8078
CMYK	0.00, 0.01, 0.78, 0.12
HSL	59°, 74%, 54%
HSV	59°, 78%, 88%
XYZ	57.1492, 67.7819, 12.9772
YIQ	202.2890, 57.0000, -52.8560

Conversions

Conversions Part 2

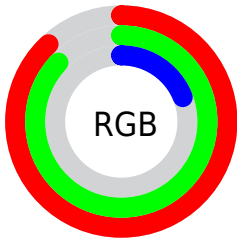
Format	Color
RYB	52, 224, 49
Decimal	14736689
CIELab	85.90, -17.20, 77.26
CIELCh	86, 79.151, 102.549
Yxy	67.7819, 0.4144, 0.4915
Android (android.graphics.Color)	4292926769 (0xFFE0DD31)
YUV	202.2890, -75.5715, 19.0405
Hunter-Lab	82.3298, -20.1714, 48.2853

Details

The Yxy color **67.7819, 0.4144, 0.4915** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **8.4897, 0.1666, 0.0887**, and the grayscale version is **59.7092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **35.2718, 0.4183, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **67.4393, 0.4194, 0.4989**, and if you desaturate by 10%, it is **68.2252, 0.4067, 0.4797**.

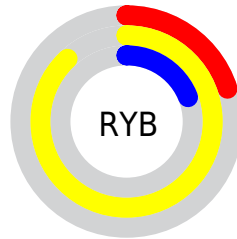
Distribution



Red (88%)

Green (87%)

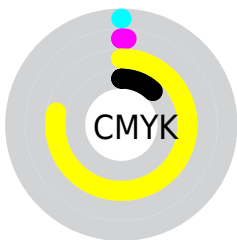
Blue (19%)



Red (20%)

Yellow (88%)

Blue (19%)

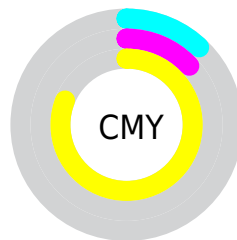


Cyan (0%)

Magenta (1%)

Yellow (78%)

Black (12%)



Cyan (12%)


Magenta (13%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7819, 0.4144, 0.4915 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 67.7819, 0.4144, 0.4915 by changing the saturation by 10% instead.


 67.7819, 0.4144,
0.4915

 67.7819, 0.4144,
0.4915


452.7229, 0.3745,
0.4197


 49.7203, 0.4205,
0.5055


 116.0401, 0.4028,
0.4683


 35.1912, 0.4263,
0.5210


 147.0055, 0.3976,
0.4587


 23.8102, 0.4308,
0.5379


 183.0409, 0.3928,
0.4502

 15.1929, 0.4355,
0.5596

 224.5308, 0.3884,
0.4427

 8.9549, 0.4278,
0.5722

 271.8596, 0.3845,
0.4360

 4.7118, 0.4131,
0.5869

325.4116, 0.3809,

 2.0792, 0.3890,

0.4300

0.6110

385.5712, 0.3776,
0.4246

0.6529, 0.2351,
0.7649

0.0000, 0.0000,
0.0000

67.7819, 0.4144,
0.4915

67.7819, 0.4144,
0.4915

67.4393, 0.4194,
0.4989

68.2252, 0.4067,
0.4797


67.1703, 0.4220,
0.5024


68.7719, 0.3966,
0.4637


67.1234, 0.4223,
0.5029


69.4357, 0.3842,
0.4442


70.2256, 0.3703,
0.4219

 71.1500, 0.3554,
0.3979

 72.2164, 0.3400,
0.3732

 73.4319, 0.3248,
0.3485

 74.8029, 0.3100,
0.3246

 76.3355, 0.2960,
0.3018

Harmonies

Analogous

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



67.7819, 0.4808, 0.4320



67.7819, 0.4144, 0.4915



67.7819, 0.3270, 0.5081

Triad

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



67.7819, 0.4144, 0.4915



67.7819, 0.1535, 0.2477



67.7819, 0.3711, 0.2426

Complementary

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



67.7819, 0.4144, 0.4915



8.4897, 0.1666, 0.0887

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.



67.7819, 0.2731, 0.2035



67.7819, 0.4144, 0.4915



67.7819, 0.1613, 0.2005

Square

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



67.7819, 0.4144, 0.4915



67.7819, 0.1789, 0.3364



67.7819, 0.2006, 0.1881



67.7819, 0.4620, 0.2990

Rectangle

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



67.7819, 0.4144, 0.4915



67.7819, 0.2677, 0.4750



67.7819, 0.2006, 0.1881



67.7819, 0.3370, 0.2272

Sweetspot

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



67.7851, 0.4144, 0.4915



96.1456, 0.3478, 0.3857



18.3175, 0.5781, 0.3256



20.4705, 0.3534, 0.3947



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



67.7851, 0.4144, 0.4915



90.2374, 0.4213, 0.5015



59.3080, 0.3491, 0.5389



15.9874, 0.3268, 0.3518



39.0931, 0.4223, 0.5029



2.7227, 0.4218, 0.5033

Inverse Universe

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



8.4897, 0.1666, 0.0887



7.8029, 0.1523, 0.0643



12.3776, 0.2212, 0.1147



13.2805, 0.2980, 0.3052



3.1977, 0.1503, 0.0611



0.2351, 0.1512, 0.0644

Previews

White Background



This preview shows how the Yxy color 67.7819, 0.4144, 0.4915 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 67.7819, 0.4144, 0.4915 looks on a black 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 ✓ Pass

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

Yxy 67.7819, 0.4144, 0.4915

Background



This preview shows how black text looks on a background with the Yxy color 67.7819, 0.4144, 0.4915.



This preview shows how white text looks on a background with the Yxy color 67.7819, 0.4144, 0.4915.

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

67.7819, 0.4144, 0.4915

Protanopia

67.5069, 0.4330, 0.4784

Deuteranopia

67.4974, 0.4079, 0.4074



Tritanopia

67.5937, 0.3256, 0.3121

Trichromacy



Original Color

67.7819, 0.4144, 0.4915

Protanomaly

67.5013, 0.4264, 0.4829

Deuteranomaly

67.2596, 0.4146, 0.4413

Tritanomaly

66.4154, 0.3675, 0.3864

Monochromacy



Original Color

67.7819, 0.4144, 0.4915

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

61.3779, 0.3587, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7819, 0.4144, 0.4915 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(224, 221, 49)` looks like.

```
.text, #text, p{  
    color:rgb(224, 221, 49)  
}
```

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(224, 221, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 221, 49) }
```

Border

The CSS property to change the border of an element to Yxy 67.7819, 0.4144, 0.4915 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(224, 221, 49) }
```

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

```
.border{ border-color:rgb(224, 221, 49) }
```

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

Here you see how a box with a 4 pixel rgb(224, 221, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 221, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 221, 49);  
box-shadow:4px 4px 4px 4px rgb(224, 221,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7819, 0.4144, 0.4915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 221, 49) }
```

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

```
.background{ background-color: rgb(224,  
221, 49) }
```

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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