

Converting Colors

Yxy(64.3652, 0.4234, 0.4861)

Have a look what the booklet for
Yxy(64.3652, 0.4234, 0.4861)
contains.

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Color

Yxy(64.6135, 0.4232, 0.4865)

Conversions

Conversions Part 1

Format	Color
Hex	E3D62D
RGB	227, 214, 45
RGB Percent	89%, 84%, 18%
CMY	0.1097, 0.1608, 0.8235
CMYK	0.00, 0.06, 0.80, 0.11
HSL	56°, 76%, 53%
HSV	56°, 80%, 89%
XYZ	56.2064, 64.6135, 11.9930
YIQ	198.6210, 61.9970, -49.8030

Conversions

Conversions Part 2

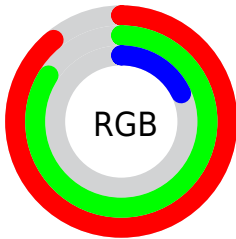
Format	Color
RYB	59, 227, 45
Decimal	14931501
CIELab	84.28, -12.58, 77.03
CIElCh	84, 78.053, 99.274
Yxy	64.6135, 0.4232, 0.4865
Android (android.graphics.Color)	4293121581 (0xFFE3D62D)
YUV	198.6210, -75.7352, 24.8884
Hunter-Lab	80.3825, -15.8556, 47.4217

Details

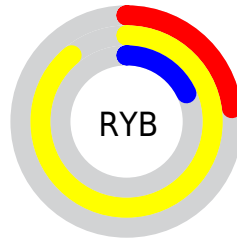
The Yxy color **64.6135, 0.4232, 0.4865** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **9.1377, 0.1660, 0.0921**, and the grayscale version is **57.3179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8415, 0.3957, 0.4661**, and **33.3571, 0.4268, 0.4994** is the 20% darker color. If you saturate the color by 10%, you get **63.6672, 0.4291, 0.4925**, and if you desaturate by 10%, it is **65.6681, 0.4146, 0.4761**.

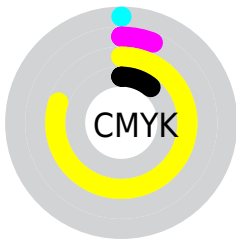
Distribution



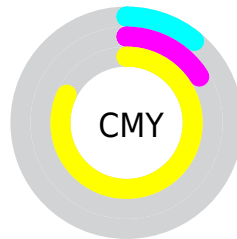
- Red (89%)
- Green (84%)
- Blue (18%)



- Red (23%)
- Yellow (89%)
- Blue (18%)



- Cyan (0%)
- Magenta (6%)
- Yellow (80%)
- Black (11%)





- Cyan (11%)
- Magenta (16%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6135, 0.4232, 0.4865 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 64.6135, 0.4232, 0.4865 by changing the saturation by 10% instead.


 64.6135, 0.4232,
0.4865

 64.6135, 0.4232,
0.4865


441.4018, 0.3788,
0.4175


 47.1477, 0.4303,
0.4996


 111.4940, 0.4100,
0.4644

 33.1525, 0.4372,
0.5140

 141.6776, 0.4042,
0.4552


 22.2433, 0.4429,
0.5292


 176.8692, 0.3989,
0.4470

 14.0358, 0.4503,
0.5497

 217.4532, 0.3941,
0.4398

 8.1455, 0.4427,
0.5573

 263.8141, 0.3897,
0.4333

 4.1882, 0.4313,
0.5687


316.3362, 0.3858,

 1.7794, 0.4122,


0.4275


0.5878


375.4040, 0.3821,
0.4222


 0.4743, 0.2326,
0.7674


 0.0000, 0.0000,
0.0000


 64.6135, 0.4232,
0.4865


 64.6135, 0.4232,
0.4865


 63.6672, 0.4291,
0.4925

 65.6681, 0.4146,
0.4761

 62.8111, 0.4326,
0.4947

 66.8349, 0.4034,
0.4614

 68.1282, 0.3901,
0.4431

 69.5578, 0.3753,
0.4221

71.1323, 0.3596,
0.3993

72.8598, 0.3437,
0.3758

74.7476, 0.3280,
0.3522

76.8025, 0.3130,
0.3294

79.0310, 0.2988,
0.3076

Harmonies

Analogous

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



64.6135, 0.4861, 0.4247



64.6135, 0.4232, 0.4865



64.6135, 0.3369, 0.5102

Triad

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



64.6135, 0.4232, 0.4865



64.6135, 0.1544, 0.2551



64.6135, 0.3600, 0.2372

Complementary

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



64.6135, 0.4232, 0.4865



9.1377, 0.1660, 0.0921

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.



64.6135, 0.2635, 0.2004



64.6135, 0.4232, 0.4865



64.6135, 0.1587, 0.2036

Square

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



64.6135, 0.4232, 0.4865



64.6135, 0.1837, 0.3482



64.6135, 0.1945, 0.1878



64.6135, 0.4542, 0.2922

Rectangle

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



64.6135, 0.4232, 0.4865



64.6135, 0.2770, 0.4834



64.6135, 0.1945, 0.1878



64.6135, 0.3260, 0.2225

Sweetspot

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



64.6166, 0.4232, 0.4865



93.9013, 0.3500, 0.3852



18.5424, 0.5756, 0.3191



19.9274, 0.3558, 0.3936



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.



64.6166, 0.4232, 0.4865



82.1219, 0.4315, 0.4941



61.7426, 0.3551, 0.5381



16.6311, 0.3269, 0.3506



36.6935, 0.4324, 0.4949



2.7647, 0.4303, 0.4966

Inverse Universe

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



9.1377, 0.1660, 0.0921



8.1037, 0.1525, 0.0665



11.4807, 0.2102, 0.1064



14.0520, 0.2980, 0.3065



3.5168, 0.1513, 0.0647



0.3183, 0.1548, 0.0773

Previews

White Background



This preview shows how the Yxy color 64.6135, 0.4232, 0.4865 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 64.6135, 0.4232, 0.4865 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 64.6135, 0.4232, 0.4865

Background



This preview shows how black text looks on a background with the Yxy color 64.6135, 0.4232, 0.4865.



This preview shows how white text looks on a background with the Yxy color 64.6135, 0.4232, 0.4865.

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

64.6135, 0.4232, 0.4865

Protanopia

64.6032, 0.4330, 0.4795

Deuteranopia

64.5838, 0.4256, 0.4225



Tritanopia

64.2784, 0.3332, 0.3121

Trichromacy



Original Color

64.6135, 0.4232, 0.4865

Protanomaly

64.5925, 0.4298, 0.4820

Deuteranomaly

64.2110, 0.4281, 0.4480

Tritanomaly

63.1478, 0.3760, 0.3854

Monochromacy



Original Color

64.6135, 0.4232, 0.4865

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

58.7242, 0.3617, 0.4019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6135, 0.4232, 0.4865 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(227, 214, 45)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 45)  
}
```

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(227, 214, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 45) }
```

Border

The CSS property to change the border of an element to Yxy 64.6135, 0.4232, 0.4865 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(227, 214, 45) }
```

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

```
.border{ border-color:rgb(227, 214, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 214, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 45);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6135, 0.4232, 0.4865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 45) }
```

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

```
.background{ background-color: rgb(227,  
214, 45) }
```

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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