

Converting Colors

Yxy(64.0658, 0.4189, 0.4532)

Have a look what the booklet for
Yxy(64.0658, 0.4189, 0.4532)
contains.

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Color

Yxy(64.2773, 0.4190, 0.4534)

Conversions

Conversions Part 1

Format	Color
Hex	EDD156
RGB	237, 209, 86
RGB Percent	93%, 82%, 34%
CMY	0.0707, 0.1803, 0.6626
CMYK	0.00, 0.12, 0.64, 0.07
HSL	49°, 81%, 63%
HSV	49°, 64%, 93%
XYZ	59.4005, 64.2773, 18.0895
YIQ	203.3500, 56.1710, -32.3170

Conversions

Conversions Part 2

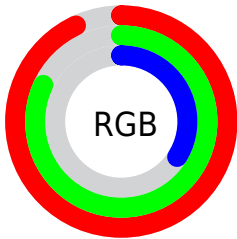
Format	Color
RYB	120, 237, 86
Decimal	15585622
CIELab	84.11, -4.02, 62.66
CIELCh	84, 62.785, 93.674
Yxy	64.2773, 0.4190, 0.4534
Android (android.graphics.Color)	4293775702 (0xFFEDD156)
YUV	203.3500, -57.8535, 29.5111
Hunter-Lab	80.1731, -8.0518, 42.7436

Details

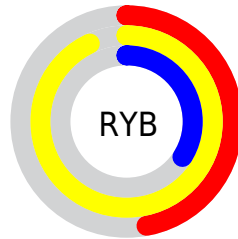
The Yxy color **64.2773, 0.4190, 0.4534** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **20.1304, 0.1965, 0.1573**, and the grayscale version is **60.3001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **32.9915, 0.4380, 0.4771** is the 20% darker color. If you saturate the color by 10%, you get **61.8344, 0.4330, 0.4653**, and if you desaturate by 10%, it is **66.9123, 0.4030, 0.4377**.

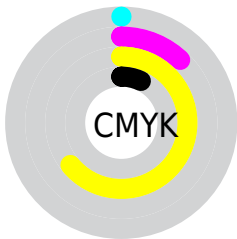
Distribution



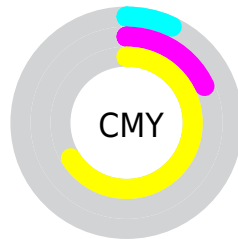
- Red (93%)
- Green (82%)
- Blue (34%)



- Red (47%)
- Yellow (93%)
- Blue (34%)



- Cyan (0%)
- Magenta (12%)
- Yellow (64%)
- Black (7%)





- Cyan (7%)
- Magenta (18%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2773, 0.4190, 0.4534 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 64.2773, 0.4190, 0.4534 by changing the saturation by 10% instead.


 64.2773, 0.4190,
0.4534

 64.2773, 0.4190,
0.4534


440.1903, 0.3727,
0.3980

 46.8753, 0.4280,
0.4646

 111.0102, 0.4041,
0.4352

 32.9371, 0.4380,
0.4773


 141.1099, 0.3979,
0.4278

 22.0783, 0.4487,
0.4915


 176.2109, 0.3924,
0.4212

 13.9144, 0.4594,
0.5065

 216.6977, 0.3876,
0.4155

 8.0612, 0.4732,
0.5268

262.9547, 0.3832,
0.4104

 4.1341, 0.4697,
0.5303

315.3662, 0.3794,

 1.7489, 0.4637,

0.4058

0.5363

374.3166, 0.3759,
0.4017

■ 0.4550, 0.4235,
0.5765

■ 0.0000, 0.0000,
0.0000

■ 64.2773, 0.4190,
0.4534

■ 64.2773, 0.4190,
0.4534

■ 61.8344, 0.4330,
0.4653

■ 66.9123, 0.4030,
0.4377

■ 59.5609, 0.4444,
0.4728

■ 69.7419, 0.3859,
0.4192

■ 57.4434, 0.4529,
0.4755

■ 72.7798, 0.3683,
0.3989

■ 56.1719, 0.4570,
0.4753

■ 76.0354, 0.3508,
0.3779

■ 79.5177, 0.3341,
0.3568

■ 83.2348, 0.3183,
0.3363

■ 87.1944, 0.3036,
0.3168

■ 90.0032, 0.3018,
0.3182

■ 92.6788, 0.3018,
0.3226

Harmonies

Analogous

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



64.2773, 0.4623, 0.4032



64.2773, 0.4190, 0.4534



64.2773, 0.3504, 0.4745

Triad

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



64.2773, 0.4190, 0.4534



64.2773, 0.1826, 0.2829



64.2773, 0.3366, 0.2452

Complementary

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



64.2773, 0.4190, 0.4534



20.1304, 0.1965, 0.1573

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.



64.2773, 0.2604, 0.2171



64.2773, 0.4190, 0.4534



64.2773, 0.1802, 0.2317

Square

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



64.2773, 0.4190, 0.4534



64.2773, 0.2151, 0.3623



64.2773, 0.2064, 0.2112



64.2773, 0.4147, 0.2905

Rectangle

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



64.2773, 0.4190, 0.4534



64.2773, 0.3000, 0.4588



64.2773, 0.2064, 0.2112



64.2773, 0.3096, 0.2336

Sweetspot

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



64.2804, 0.4190, 0.4534



91.6691, 0.3430, 0.3681



25.9298, 0.4773, 0.2989



19.3712, 0.3479, 0.3742



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.



64.2804, 0.4190, 0.4534



72.3122, 0.4362, 0.4677



72.3933, 0.3673, 0.4959



17.1248, 0.3272, 0.3481



30.8556, 0.4563, 0.4759



2.5457, 0.4502, 0.4807

Inverse Universe

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



20.1304, 0.1965, 0.1573



16.7871, 0.1764, 0.1220



17.6276, 0.2195, 0.1381



15.0003, 0.2980, 0.3092



4.4563, 0.1549, 0.0775



0.4775, 0.1614, 0.1010

Previews

White Background



This preview shows how the Yxy color 64.2773, 0.4190, 0.4534 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 64.2773, 0.4190, 0.4534 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 64.2773, 0.4190, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 64.2773, 0.4190, 0.4534.



This preview shows how white text looks on a background with the Yxy color 64.2773, 0.4190, 0.4534.

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

64.2773, 0.4190, 0.4534

Protanopia

64.2575, 0.4159, 0.4556

Deuteranopia

64.2031, 0.4237, 0.4181



Tritanopia

64.1395, 0.3431, 0.3134

Trichromacy



Original Color

64.2773, 0.4190, 0.4534

Protanomaly

64.4272, 0.4167, 0.4552

Deuteranomaly

64.1215, 0.4218, 0.4310

Tritanomaly

63.7596, 0.3745, 0.3669

Monochromacy



Original Color

64.2773, 0.4190, 0.4534

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.6478, 0.3538, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2773, 0.4190, 0.4534 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(237, 209, 86)` looks like.

```
.text, #text, p{  
    color:rgb(237, 209, 86)  
}
```

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(237, 209, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 209, 86) }
```

Border

The CSS property to change the border of an element to Yxy 64.2773, 0.4190, 0.4534 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(237, 209, 86) }
```

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

```
.border{ border-color:rgb(237, 209, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 209, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 209, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 209, 86);  
box-shadow:4px 4px 4px 4px rgb(237, 209,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2773, 0.4190, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 209, 86) }
```

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

```
.background{ background-color: rgb(237,  
209, 86) }
```

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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