

Converting Colors

$Y_{xy}(100.0000, 0.4869, 0.4174)$

Have a look what the booklet for
Yxy(100.0000, 0.4869, 0.4174)
contains.

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Color

Yxy(75.8486, 0.4205, 0.4556)

Conversions

Conversions Part 1

Format	Color
Hex	FFE15A
RGB	255, 225, 90
RGB Percent	100%, 88%, 35%
CMY	0.0001, 0.1176, 0.6470
CMYK	0.00, 0.12, 0.65, 0.00
HSL	49°, 100%, 68%
HSV	49°, 65%, 100%
XYZ	70.0051, 75.8486, 20.6270
YIQ	218.5800, 61.2150, -35.6250

Conversions

Conversions Part 2

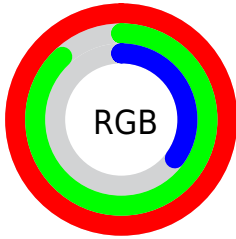
Format	Color
RYB	127, 255, 90
Decimal	16769370
CIELab	89.79, -4.44, 67.53
CIELCh	90, 67.676, 93.764
Yxy	75.8486, 0.4205, 0.4556
Android (android.graphics.Color)	4294959450 (0xFFFFE15A)
YUV	218.5800, -63.3899, 31.9403
Hunter-Lab	87.0911, -8.9285, 46.9213

Details

The Yxy color **75.8486, 0.4205, 0.4556** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **22.8220, 0.1941, 0.1529**, and the grayscale version is **70.9497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **40.4453, 0.4385, 0.4779** is the 20% darker color. If you saturate the color by 10%, you get **73.0193, 0.4341, 0.4671**, and if you desaturate by 10%, it is **78.9019, 0.4048, 0.4402**.

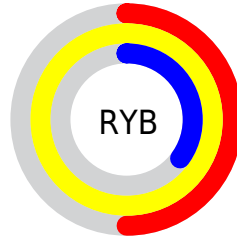
Distribution



Red (100%)

Green (88%)

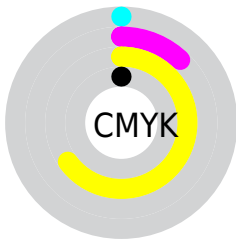
Blue (35%)



Red (50%)

Yellow (100%)

Blue (35%)

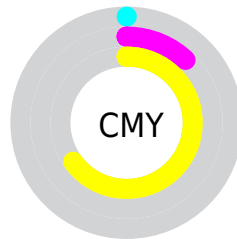


Cyan (0%)

Magenta (12%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8486, 0.4205, 0.4556 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 75.8486, 0.4205, 0.4556 by changing the saturation by 10% instead.


 75.8486, 0.4205,
0.4556


 75.8486, 0.4205,
0.4556


480.8293, 0.3753,
0.4011

 56.3084, 0.4290,
0.4662


 127.5129, 0.4062,
0.4380

 40.4502, 0.4383,
0.4782


 160.4057, 0.4002,
0.4308

 27.8897, 0.4483,
0.4914


 198.5182, 0.3949,
0.4244

 18.2426, 0.4581,
0.5054

 242.2347, 0.3901,
0.4187

 11.1243, 0.4717,
0.5248

291.9397, 0.3858,
0.4136

 6.1505, 0.4703,
0.5297

348.0175, 0.3819,

 2.9368, 0.4654,

0.4090

0.5346

410.8526, 0.3785,
0.4049

■ 1.0988, 0.4568,
0.5432

■ 0.0000, 0.0000,
0.0000

■ 75.8486, 0.4205,
0.4556

■ 75.8486, 0.4205,
0.4556

■ 73.0193, 0.4341,
0.4671

■ 78.9019, 0.4048,
0.4402

■ 70.3866, 0.4450,
0.4740

■ 82.1826, 0.3878,
0.4219

■ 67.9342, 0.4530,
0.4762

■ 85.7071, 0.3702,
0.4016

■ 66.6913, 0.4563,
0.4759

■ 89.4867, 0.3527,
0.3804

93.5320, 0.3358,
0.3592

97.8531, 0.3198,
0.3384

99.9957, 0.3127,
0.3290

Harmonies

Analogous

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



75.8486, 0.4650, 0.4043



75.8486, 0.4205, 0.4556



75.8486, 0.3506, 0.4775

Triad

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



75.8486, 0.4205, 0.4556



75.8486, 0.1803, 0.2816



75.8486, 0.3373, 0.2439

Complementary

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



75.8486, 0.4205, 0.4556



22.8220, 0.1941, 0.1529

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.



75.8486, 0.2596, 0.2153



75.8486, 0.4205, 0.4556



75.8486, 0.1781, 0.2297

Square

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



75.8486, 0.4205, 0.4556



75.8486, 0.2131, 0.3626



75.8486, 0.2047, 0.2092



75.8486, 0.4170, 0.2899

Rectangle

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



75.8486, 0.4205, 0.4556



75.8486, 0.2993, 0.4616



75.8486, 0.2047, 0.2092



75.8486, 0.3097, 0.2321

Sweetspot

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



75.8522, 0.4205, 0.4556



91.7760, 0.3430, 0.3683



29.9338, 0.4863, 0.3014



19.3973, 0.3478, 0.3744



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.



75.8522, 0.4205, 0.4556



72.1426, 0.4380, 0.4699



84.9040, 0.3660, 0.4999



20.4965, 0.3274, 0.3483



35.0577, 0.4556, 0.4765



3.5528, 0.4507, 0.4803

Inverse Universe

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



22.8220, 0.1941, 0.1529



15.7576, 0.1734, 0.1161



20.3077, 0.2194, 0.1354



17.9112, 0.2979, 0.3089



4.9594, 0.1546, 0.0765



0.6202, 0.1597, 0.0948

Previews

White Background



This preview shows how the Yxy color 75.8486, 0.4205, 0.4556 looks on a white background.

Color Contrast Check

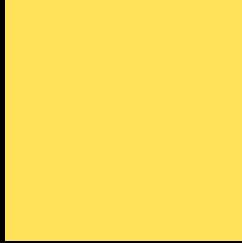
Large Text (above 18pt) WCAG AA × Fail

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 75.8486, 0.4205, 0.4556 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 75.8486, 0.4205, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 75.8486, 0.4205, 0.4556.



This preview shows how white text looks on a background with the Yxy color 75.8486, 0.4205, 0.4556.

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

75.8486, 0.4205, 0.4556

Protanopia

75.8263, 0.4176, 0.4577

Deuteranopia

75.5415, 0.3704, 0.3752



Tritanopia

75.9178, 0.3337, 0.3180

Trichromacy



Original Color

75.8486, 0.4205, 0.4556

Protanomaly

76.0135, 0.4184, 0.4572



Deuteranomaly

75.5162, 0.3912, 0.4081



Tritanomaly

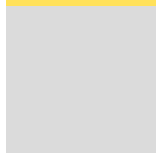
75.0974, 0.3693, 0.3722

Monochromacy



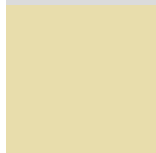
Original Color

75.8486, 0.4205, 0.4556



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

71.8473, 0.3545, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8486, 0.4205, 0.4556 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(255, 225, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 90)  
}
```

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(255, 225, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 90) }
```

Border

The CSS property to change the border of an element to Yxy 75.8486, 0.4205, 0.4556 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(255, 225, 90) }
```

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

```
.border{ border-color:rgb(255, 225, 90) }
```

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

Here you see how a box with a 4 pixel rgb(255, 225, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8486, 0.4205, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 90) }
```

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

```
.background{ background-color: rgb(255,  
225, 90) }
```

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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