

Converting Colors

Yxy(86.7522, 0.4641, 0.4379)

Have a look what the booklet for
Yxy(86.7522, 0.4641, 0.4379)
contains.

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Color

Yxy(75.1505, 0.4256, 0.4612)

Conversions

Conversions Part 1

Format	Color
Hex	FFE050
RGB	255, 224, 80
RGB Percent	100%, 88%, 31%
CMY	0.0000, 0.1216, 0.6861
CMYK	0.00, 0.12, 0.69, 0.00
HSL	49°, 100%, 66%
HSV	49°, 69%, 100%
XYZ	69.3496, 75.1505, 18.4454
YIQ	216.8530, 64.7000, -38.2120

Conversions

Conversions Part 2

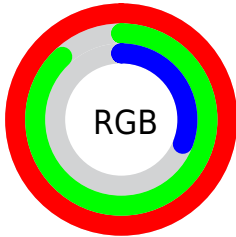
Format	Color
R _Y B	118, 255, 80
Decimal	16769104
CIE Lab	89.46, -4.45, 71.17
CIE LCh	89, 71.309, 93.580
Yxy	75.1505, 0.4256, 0.4612
Android (android.graphics.Color)	4294959184 (0xFFFFE050)
YUV	216.8530, -67.4685, 33.4549
Hunter-Lab	86.6894, -8.9103, 48.0671

Details

The Yxy color **75.1505, 0.4256, 0.4612** 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 **20.3033, 0.1873, 0.1406**, and the grayscale version is **69.7216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **39.9956, 0.4440, 0.4834** is the 20% darker color. If you saturate the color by 10%, you get **72.4459, 0.4380, 0.4710**, and if you desaturate by 10%, it is **78.0629, 0.4108, 0.4472**.

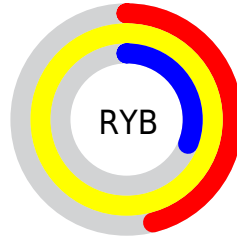
Distribution



Red (100%)

Green (88%)

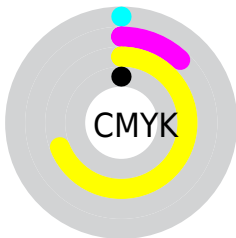
Blue (31%)



Red (46%)

Yellow (100%)

Blue (31%)

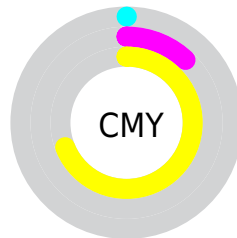


Cyan (0%)

Magenta (12%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.1505, 0.4256, 0.4612 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 75.1505, 0.4256, 0.4612 by changing the saturation by 10% instead.


 75.1505, 0.4256,
0.4612

 75.1505, 0.4256,
0.4612


478.4347, 0.3788,
0.4049


 55.7362, 0.4341,
0.4719


 126.5254, 0.4110,
0.4432


 39.9915, 0.4434,
0.4838


 159.2547, 0.4048,
0.4358

 27.5319, 0.4530,
0.4967


 197.1912, 0.3992,
0.4291

 17.9731, 0.4621,
0.5099

 240.7193, 0.3943,
0.4232

 10.9307, 0.4732,
0.5268

290.2233, 0.3898,
0.4179

 6.0202, 0.4701,
0.5299

346.0876, 0.3857,

 2.8574, 0.4652,

0.4131

0.5348

408.6966, 0.3821,
0.4088

■ 1.0577, 0.4563,
0.5437

■ 0.0000, 0.0000,
0.0000

■ 75.1505, 0.4256,
0.4612

■ 75.1505, 0.4256,
0.4612

■ 72.4459, 0.4380,
0.4710

■ 78.0629, 0.4108,
0.4472

■ 69.9310, 0.4477,
0.4761

■ 81.1976, 0.3943,
0.4298


■ 67.5810, 0.4544,
0.4768

■ 84.5679, 0.3769,
0.4101

■ 67.2638, 0.4553,
0.4767

■ 88.1858, 0.3594,
0.3891

 92.0621, 0.3423,
0.3677

 96.2070, 0.3259,
0.3466

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



75.1505, 0.4728, 0.4063



75.1505, 0.4256, 0.4612



75.1505, 0.3521, 0.4863

Triad

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



75.1505, 0.4256, 0.4612



75.1505, 0.1741, 0.2788



75.1505, 0.3378, 0.2396

Complementary

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



75.1505, 0.4256, 0.4612



20.3033, 0.1873, 0.1406

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.



75.1505, 0.2562, 0.2100



75.1505, 0.4256, 0.4612



75.1505, 0.1719, 0.2247

Square

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



75.1505, 0.4256, 0.4612



75.1505, 0.2081, 0.3648



75.1505, 0.1993, 0.2036



75.1505, 0.4224, 0.2873

Rectangle

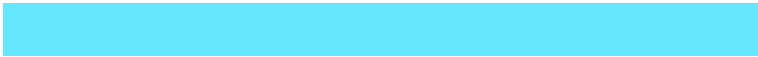
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1505, 0.4256, 0.4612



75.1505, 0.2983, 0.4704



75.1505, 0.1993, 0.2036



75.1505, 0.3087, 0.2274

Sweetspot

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



75.1506, 0.4256, 0.4612



91.1133, 0.3463, 0.3728



28.1746, 0.5029, 0.3012



19.2710, 0.3510, 0.3787



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.



75.1506, 0.4256, 0.4612



71.5741, 0.4416, 0.4733



84.3232, 0.3672, 0.5083



20.5109, 0.3274, 0.3484



35.3462, 0.4546, 0.4773



3.5784, 0.4498, 0.4810

Inverse Universe

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



20.3033, 0.1873, 0.1406



13.9772, 0.1682, 0.1056



18.1497, 0.2128, 0.1246



17.8980, 0.2979, 0.3088



4.9101, 0.1544, 0.0758



0.6135, 0.1594, 0.0939

Previews

White Background



This preview shows how the Yxy color 75.1505, 0.4256, 0.4612 looks on a white background.

Color Contrast Check

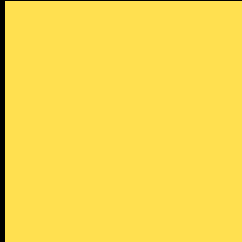
Large Text (above 18pt) WCAG AA × Fail

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 75.1505, 0.4256, 0.4612 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 75.1505, 0.4256, 0.4612

Background



This preview shows how black text looks on a background with the Yxy color 75.1505, 0.4256, 0.4612.



This preview shows how white text looks on a background with the Yxy color 75.1505, 0.4256, 0.4612.

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

75.1505, 0.4256, 0.4612

Protanopia

74.9388, 0.4219, 0.4639

Deuteranopia

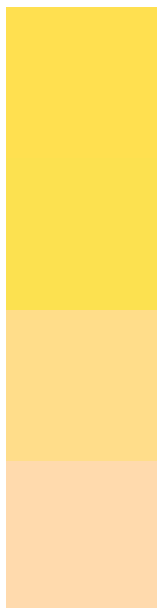
74.8633, 0.3736, 0.3784



Tritanopia

74.8441, 0.3347, 0.3170

Trichromacy



Original Color

75.1505, 0.4256, 0.4612

Protanomaly

75.1251, 0.4226, 0.4634

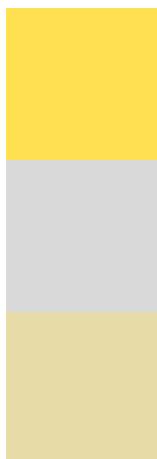
Deuteranomaly

74.8079, 0.3956, 0.4129

Tritanomaly

74.4199, 0.3725, 0.3753

Monochromacy



Original Color

75.1505, 0.4256, 0.4612

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.9653, 0.3575, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1505, 0.4256, 0.4612 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, 224, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 80)  
}
```

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, 224, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 80) }
```

Border

The CSS property to change the border of an element to Yxy 75.1505, 0.4256, 0.4612 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, 224, 80) }
```

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

```
.border{ border-color:rgb(255, 224, 80) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1505, 0.4256, 0.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 80) }
```

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

```
.background{ background-color: rgb(255,  
224, 80) }
```

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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