

Converting Colors

$Y_{xy}(75.7706, 0.3955, 0.4441)$

Have a look what the booklet for
Yxy(75.7706, 0.3955, 0.4441)
contains.

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Color

Yxy(75.6019, 0.3961, 0.4439)

Conversions

Conversions Part 1

Format	Color
Hex	F2E473
RGB	242, 228, 115
RGB Percent	95%, 89%, 45%
CMY	0.0509, 0.1059, 0.5491
CMYK	0.00, 0.06, 0.52, 0.05
HSL	53°, 83%, 70%
HSV	53°, 52%, 95%
XYZ	67.4609, 75.6019, 27.2501
YIQ	219.3040, 44.6170, -32.1750

Conversions

Conversions Part 2

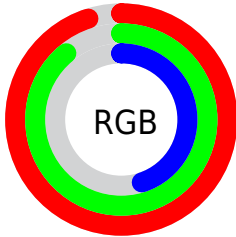
Format	Color
R _Y B	131, 242, 115
Decimal	15918195
CIE Lab	89.67, -9.49, 56.16
CIE LCh	90, 56.955, 99.587
Yxy	75.6019, 0.3961, 0.4439
Android (android.graphics.Color)	4294108275 (0xFF2E473)
YUV	219.3040, -51.4219, 19.9044
Hunter-Lab	86.9494, -13.6695, 42.2830

Details

The Yxy color **75.6019, 0.3961, 0.4439** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.7576, 0.2148, 0.1788**, and the grayscale version is **71.4042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **40.3022, 0.4104, 0.4680** is the 20% darker color. If you saturate the color by 10%, you get **73.6609, 0.4100, 0.4610**, and if you desaturate by 10%, it is **77.7189, 0.3807, 0.4239**.

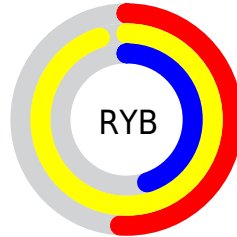
Distribution



Red (95%)

Green (89%)

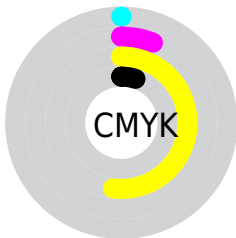
Blue (45%)



Red (51%)

Yellow (95%)

Blue (45%)

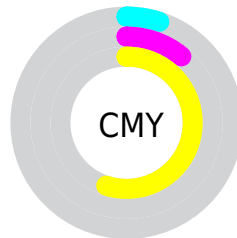


Cyan (0%)

Magenta (6%)

Yellow (52%)

Black (5%)



Cyan (5%)


Magenta (11%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6019, 0.3961, 0.4439 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 75.6019, 0.3961, 0.4439 by changing the saturation by 10% instead.


 75.6019, 0.3961,
0.4439


 75.6019, 0.3961,
0.4439


479.9838, 0.3604,
0.3923

 56.1061, 0.4031,
0.4548

 127.1640, 0.3845,
0.4266

 40.2880, 0.4111,
0.4676


 159.9991, 0.3798,
0.4197

 27.7632, 0.4200,
0.4828


 198.0495, 0.3756,
0.4136

 18.1472, 0.4296,
0.5006

241.6995, 0.3719,
0.4083

 11.0557, 0.4387,
0.5209

291.3336, 0.3685,
0.4036

 6.1043, 0.4504,
0.5496

347.3360, 0.3655,

 2.9086, 0.4398,

0.3994

0.5602

410.0913, 0.3628,
0.3956

■ 1.0842, 0.4204,
0.5796

■ 0.0000, 0.0000,
0.0000

■ 75.6019, 0.3961,
0.4439

■ 75.6019, 0.3961,
0.4439

■ 73.6609, 0.4100,
0.4610

■ 77.7189, 0.3807,
0.4239

■ 71.8736, 0.4218,
0.4743


■ 80.0118, 0.3644,
0.4021

■ 70.2297, 0.4310,
0.4832

■ 82.4938, 0.3480,
0.3794


■ 68.7130, 0.4373,
0.4875

■ 85.1737, 0.3318,
0.3566


 67.6390, 0.4405,
0.4884

 88.0597, 0.3164,
0.3344

 90.8204, 0.3050,
0.3182

 92.4401, 0.3049,
0.3209

 94.0833, 0.3049,
0.3235

 95.7499, 0.3048,
0.3261

Harmonies

Analogous

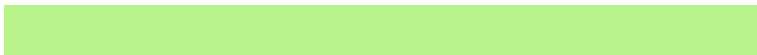
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6019, 0.4382, 0.4057



75.6019, 0.3961, 0.4439



75.6019, 0.3342, 0.4510

Triad

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



75.6019, 0.3961, 0.4439



75.6019, 0.1960, 0.2794



75.6019, 0.3478, 0.2624

Complementary

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



75.6019, 0.3961, 0.4439



25.7576, 0.2148, 0.1788

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.



75.6019, 0.2797, 0.2338



75.6019, 0.3961, 0.4439



75.6019, 0.1987, 0.2389

Square

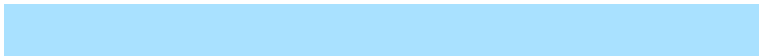
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6019, 0.3961, 0.4439



75.6019, 0.2202, 0.3438



75.6019, 0.2273, 0.2248



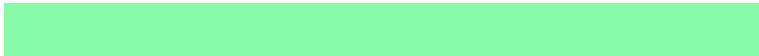
75.6019, 0.4114, 0.3054

Rectangle

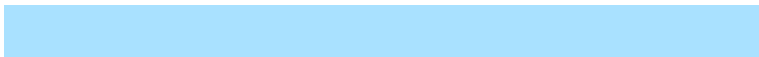
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6019, 0.3961, 0.4439



75.6019, 0.2904, 0.4302



75.6019, 0.2273, 0.2248



75.6019, 0.3244, 0.2510

Sweetspot

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



75.6054, 0.3961, 0.4439



94.8053, 0.3375, 0.3647



32.7450, 0.4479, 0.3136



20.1585, 0.3408, 0.3694



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.



75.6054, 0.3961, 0.4439



82.7973, 0.4109, 0.4620



76.1356, 0.3536, 0.4730



18.1435, 0.3271, 0.3498



36.4539, 0.4401, 0.4887



3.1169, 0.4370, 0.4912

Inverse Universe

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



25.7576, 0.2148, 0.1788



21.2250, 0.1940, 0.1445



26.5280, 0.2475, 0.1756



15.5095, 0.2980, 0.3073



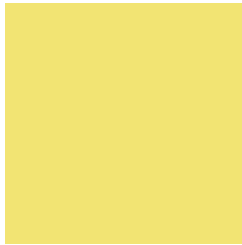
3.9537, 0.1522, 0.0679



0.4209, 0.1567, 0.0842

Previews

White Background



This preview shows how the Yxy color 75.6019, 0.3961, 0.4439 looks on a white background.

Color Contrast Check

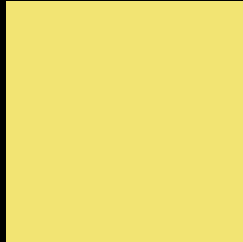
Large Text (above 18pt) WCAG AA × Fail

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 75.6019, 0.3961, 0.4439 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 75.6019, 0.3961, 0.4439

Background



This preview shows how black text looks on a background with the Yxy color 75.6019, 0.3961, 0.4439.



This preview shows how white text looks on a background with the Yxy color 75.6019, 0.3961, 0.4439.

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

75.6019, 0.3961, 0.4439

Protanopia

75.7474, 0.4031, 0.4406

Deuteranopia

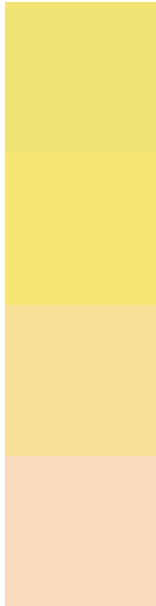
75.5810, 0.3697, 0.3742



Tritanopia

75.4979, 0.3296, 0.3120

Trichromacy



Original Color

75.6019, 0.3961, 0.4439

Protanomaly

75.7459, 0.4002, 0.4425

Deuteranomaly

75.4324, 0.3802, 0.4003

Tritanomaly

75.1845, 0.3565, 0.3612

Monochromacy



Original Color

75.6019, 0.3961, 0.4439

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.9096, 0.3442, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6019, 0.3961, 0.4439 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(242, 228, 115)` looks like.

```
.text, #text, p{  
    color:rgb(242, 228, 115)  
}
```

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(242, 228, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 228, 115) }
```

Border

The CSS property to change the border of an element to Yxy 75.6019, 0.3961, 0.4439 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(242, 228, 115) }
```

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

```
.border{ border-color:rgb(242, 228, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 228, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 228, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 228, 115);  
box-shadow:4px 4px 4px 4px rgb(242, 228,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6019, 0.3961, 0.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 228, 115) }
```

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

```
.background{ background-color: rgb(242,  
228, 115) }
```

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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