

Converting Colors

$Yxy(76.3676, 0.4125, 0.4957)$

Have a look what the booklet for
Yxy(76.3676, 0.4125, 0.4957)
contains.

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Color

Yxy(76.3827, 0.4124, 0.4956)

Conversions

Conversions Part 1

Format	Color
Hex	E9EA30
RGB	233, 234, 48
RGB Percent	91%, 92%, 19%
CMY	0.0863, 0.0823, 0.8121
CMYK	0.00, 0.00, 0.80, 0.08
HSL	60°, 82%, 55%
HSV	60°, 80%, 92%
XYZ	63.5598, 76.3827, 14.1792
YIQ	212.4970, 59.1100, -58.0580

Conversions

Conversions Part 2

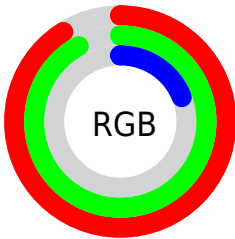
Format	Color
R _Y B	48, 234, 49
Decimal	15329840
CIE Lab	90.04, -19.82, 81.45
CIE LCh	90, 83.824, 103.675
Yxy	76.3827, 0.4124, 0.4956
Android (android.graphics.Color)	4293519920 (0xFFE9EA30)
YUV	212.4970, -81.0970, 17.9811
Hunter-Lab	87.3972, -23.1306, 51.5589

Details

The Yxy color **76.3827, 0.4124, 0.4956** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.6985, 0.1643, 0.0832**, and the grayscale version is **66.7042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9277, 0.3939, 0.4633**, and **41.1244, 0.4135, 0.5099** is the 20% darker color. If you saturate the color by 10%, you get **76.2204, 0.4165, 0.5026**, and if you desaturate by 10%, it is **76.6538, 0.4057, 0.4842**.

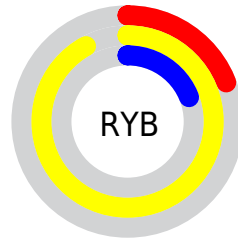
Distribution



Red (91%)

Green (92%)

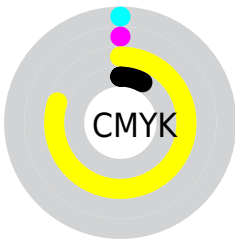
Blue (19%)



Red (19%)

Yellow (92%)

Blue (19%)

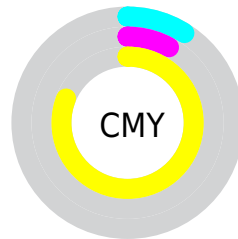


Cyan (0%)

Magenta (0%)

Yellow (80%)

Black (8%)



Cyan (9%)


Magenta (8%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3827, 0.4124, 0.4956 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 76.3827, 0.4124, 0.4956 by changing the saturation by 10% instead.


 76.3827, 0.4124,
0.4956

 76.3827, 0.4124,
0.4956


482.6567, 0.3749,
0.4235


 56.7464, 0.4179,
0.5094


 128.2677, 0.4017,
0.4725


 40.8016, 0.4229,
0.5247


 161.2852, 0.3969,
0.4629

 28.1641, 0.4267,
0.5413


 199.5319, 0.3924,
0.4544

 18.4494, 0.4291,
0.5606

 243.3921, 0.3883,
0.4468

 11.2731, 0.4237,
0.5763

 293.2504, 0.3845,
0.4400

 6.2509, 0.4094,
0.5906


349.4909, 0.3810,


 2.9982, 0.3869,

0.4340

0.6131


412.4983, 0.3778,
0.4285


 1.1308, 0.3360,
0.6640


 0.0041, 0.0000,
1.0000


 76.3827, 0.4124,
0.4956


 76.3827, 0.4124,
0.4956


 76.2204, 0.4165,
0.5026


 76.6538, 0.4057,
0.4842


 76.1335, 0.4183,
0.5059

 77.0372, 0.3964,
0.4686


 76.1301, 0.4184,
0.5060


 77.5482, 0.3848,
0.4492


 78.1972, 0.3715,
0.4270

 78.9936, 0.3570,
0.4028

 79.9459, 0.3419,
0.3776

 81.0620, 0.3268,
0.3524

 82.3491, 0.3120,
0.3279

 83.5855, 0.3000,
0.3079

Harmonies

Analogous

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



76.3827, 0.4813, 0.4355



76.3827, 0.4124, 0.4956



76.3827, 0.3233, 0.5107

Triad

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



76.3827, 0.4124, 0.4956



76.3827, 0.1511, 0.2436



76.3827, 0.3759, 0.2432

Complementary

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



76.3827, 0.4124, 0.4956



8.6985, 0.1643, 0.0832

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.



76.3827, 0.2757, 0.2028



76.3827, 0.4124, 0.4956



76.3827, 0.1602, 0.1975

Square

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



76.3827, 0.4124, 0.4956



76.3827, 0.1752, 0.3322



76.3827, 0.2011, 0.1863



76.3827, 0.4673, 0.3006

Rectangle

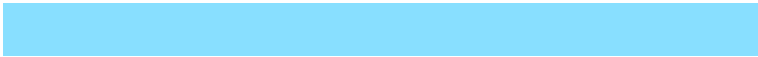
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3827, 0.4124, 0.4956



76.3827, 0.2634, 0.4750



76.3827, 0.2011, 0.1863



76.3827, 0.3412, 0.2274

Sweetspot

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



76.3863, 0.4124, 0.4956



96.6035, 0.3489, 0.3892



19.8130, 0.5913, 0.3298



20.5905, 0.3543, 0.3982



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.



76.3863, 0.4124, 0.4956



92.5613, 0.4177, 0.5048



64.7214, 0.3446, 0.5449



17.6226, 0.3267, 0.3523



42.7801, 0.4184, 0.5060



3.3606, 0.4185, 0.5059

Inverse Universe

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



8.6985, 0.1643, 0.0832



7.5953, 0.1517, 0.0627



13.7068, 0.2247, 0.1145



14.5528, 0.2981, 0.3046



3.3446, 0.1502, 0.0601



0.2640, 0.1506, 0.0604

Previews

White Background



This preview shows how the Yxy color 76.3827, 0.4124, 0.4956 looks on a white background.

Color Contrast Check

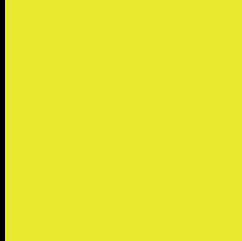
Large Text (above 18pt) WCAG AA × Fail

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 76.3827, 0.4124, 0.4956 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 76.3827, 0.4124, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 76.3827, 0.4124, 0.4956.



This preview shows how white text looks on a background with the Yxy color 76.3827, 0.4124, 0.4956.

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

76.3827, 0.4124, 0.4956

Protanopia

76.3954, 0.4345, 0.4796

Deuteranopia

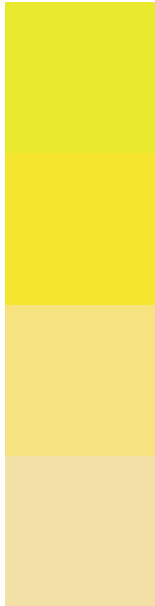
76.0289, 0.3708, 0.3772



Tritanopia

76.0974, 0.3228, 0.3119

Trichromacy



Original Color

76.3827, 0.4124, 0.4956

Protanomaly

76.5730, 0.4260, 0.4857

Deuteranomaly

75.7254, 0.3934, 0.4289

Tritanomaly

75.1560, 0.3656, 0.3892

Monochromacy



Original Color

76.3827, 0.4124, 0.4956

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

68.6690, 0.3592, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3827, 0.4124, 0.4956 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(233, 234, 48)` looks like.

```
.text, #text, p{  
    color:rgb(233, 234, 48)  
}
```

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(233, 234, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 234, 48) }
```

Border

The CSS property to change the border of an element to Yxy 76.3827, 0.4124, 0.4956 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(233, 234, 48) }
```

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

```
.border{ border-color:rgb(233, 234, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 234, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 234, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 234, 48);  
box-shadow:4px 4px 4px 4px rgb(233, 234,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3827, 0.4124, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 234, 48) }
```

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

```
.background{ background-color: rgb(233,  
234, 48) }
```

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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