

Converting Colors

Yxy(76.6436, 0.4105, 0.4907)

Have a look what the booklet for
Yxy(76.6436, 0.4105, 0.4907)
contains.

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Color

Yxy(76.6436, 0.4105, 0.4907)

Conversions

Conversions Part 1

Format	Color
Hex	EAEA3A
RGB	234, 234, 58
RGB Percent	92%, 92%, 23%
CMY	0.0824, 0.0823, 0.7721
CMYK	0.00, 0.00, 0.75, 0.08
HSL	60°, 81%, 57%
HSV	60°, 75%, 92%
XYZ	64.1170, 76.6436, 15.4318
YIQ	213.9360, 56.4960, -54.7360

Conversions

Conversions Part 2

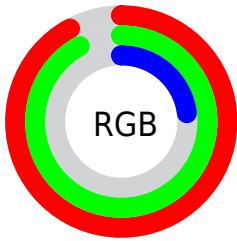
Format	Color
R _Y B	58, 234, 58
Decimal	15395386
CIE Lab	90.16, -19.06, 78.75
CIE LCh	90, 81.029, 103.607
Yxy	76.6436, 0.4105, 0.4907
Android (android.graphics.Color)	4293585466 (0xFFEAEA3A)
YUV	213.9360, -76.8764, 17.5961
Hunter-Lab	87.5463, -22.4767, 50.8314

Details

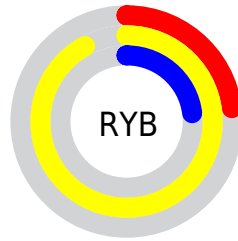
The Yxy color **76.6436, 0.4105, 0.4907** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **9.8825, 0.1697, 0.0925**, and the grayscale version is **67.7077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **41.2389, 0.4145, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **76.4596, 0.4158, 0.4995**, and if you desaturate by 10%, it is **76.9429, 0.4025, 0.4775**.

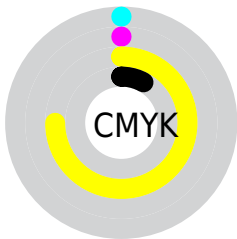
Distribution



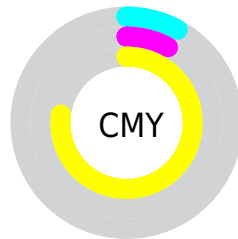
- Red (92%)
- Green (92%)
- Blue (23%)



- Red (23%)
- Yellow (92%)
- Blue (23%)



- Cyan (0%)
- Magenta (0%)
- Yellow (75%)
- Black (8%)



- Cyan (8%)
- Magenta (8%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6436, 0.4105, 0.4907 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 76.6436, 0.4105, 0.4907 by changing the saturation by 10% instead.

76.6436, 0.4105,
0.4907

76.6436, 0.4105,
0.4907

483.5480, 0.3731,
0.4203

56.9604, 0.4162,
0.5043

128.6363, 0.3997,
0.4680

40.9735, 0.4217,
0.5196

161.7145, 0.3948,
0.4586

28.2983, 0.4261,
0.5364

200.0266, 0.3903,
0.4503

18.5507, 0.4287,
0.5551

243.9569, 0.3862,
0.4430

11.3461, 0.4263,
0.5737

293.8898, 0.3825,
0.4364

6.3001, 0.4127,
0.5873

350.2097, 0.3791,

3.0284, 0.3912,

0.4305

0.6088

413.3009, 0.3760,
0.4251

■ 1.1466, 0.3448,
0.6552

■ 0.0174, 0.0000,
1.0000

■ 76.6436, 0.4105,
0.4907

■ 76.6436, 0.4105,
0.4907

■ 76.4596, 0.4158,
0.4995

■ 76.9429, 0.4025,
0.4775


■ 76.3643, 0.4186,
0.5041

■ 77.3598, 0.3921,
0.4603


■ 76.3392, 0.4193,
0.5053


■ 77.9090, 0.3796,
0.4397


■ 78.6005, 0.3656,
0.4165

 79.4430, 0.3507,
0.3918

 80.4450, 0.3354,
0.3666

 81.6140, 0.3203,
0.3416

 82.9571, 0.3058,
0.3175

 83.5653, 0.2999,
0.3079

Harmonies

Analogous

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



76.6436, 0.4768, 0.4334



76.6436, 0.4105, 0.4907



76.6436, 0.3240, 0.5039

Triad

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



76.6436, 0.4105, 0.4907



76.6436, 0.1554, 0.2468



76.6436, 0.3737, 0.2456

Complementary

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



76.6436, 0.4105, 0.4907



9.8825, 0.1697, 0.0925

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.



76.6436, 0.2769, 0.2062



76.6436, 0.4105, 0.4907



76.6436, 0.1642, 0.2015

Square

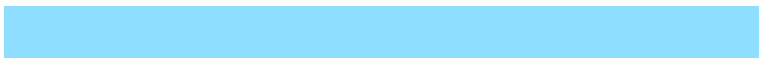
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6436, 0.4105, 0.4907



76.6436, 0.1795, 0.3328



76.6436, 0.2042, 0.1901



76.6436, 0.4619, 0.3018

Rectangle

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



76.6436, 0.4105, 0.4907



76.6436, 0.2657, 0.4694



76.6436, 0.2042, 0.1901



76.6436, 0.3403, 0.2302

Sweetspot

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



76.6472, 0.4105, 0.4907



96.7800, 0.3476, 0.3866



20.8383, 0.5732, 0.3298



20.6276, 0.3531, 0.3958



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.



76.6472, 0.4105, 0.4907



92.8465, 0.4175, 0.5024



65.2740, 0.3455, 0.5362



17.6269, 0.3268, 0.3523



42.8949, 0.4193, 0.5053



3.3683, 0.4193, 0.5053

Inverse Universe

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



9.8825, 0.1697, 0.0925



8.1503, 0.1541, 0.0667



15.0955, 0.2303, 0.1231



14.5491, 0.2980, 0.3046



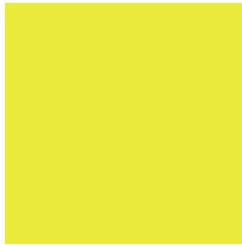
3.3384, 0.1500, 0.0600



0.2622, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 76.6436, 0.4105, 0.4907 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 76.6436, 0.4105, 0.4907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

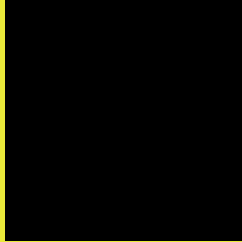
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6436, 0.4105, 0.4907

Background



This preview shows how black text looks on a background with the Yxy color 76.6436, 0.4105, 0.4907.



This preview shows how white text looks on a background with the Yxy color 76.6436, 0.4105, 0.4907.

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

76.6436, 0.4105, 0.4907

Protanopia

76.4837, 0.4319, 0.4758

Deuteranopia

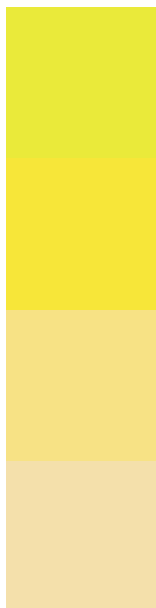
76.1075, 0.3694, 0.3752



Tritanopia

76.2807, 0.3236, 0.3119

Trichromacy



Original Color

76.6436, 0.4105, 0.4907

Protanomaly

76.6632, 0.4234, 0.4816

Deuteranomaly

75.8603, 0.3903, 0.4243

Tritanomaly

75.4847, 0.3636, 0.3849

Monochromacy



Original Color

76.6436, 0.4105, 0.4907

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

69.5194, 0.3563, 0.4011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6436, 0.4105, 0.4907 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(234, 234, 58)` looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 58)  
}
```

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(234, 234, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 58) }
```

Border

The CSS property to change the border of an element to Yxy 76.6436, 0.4105, 0.4907 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(234, 234, 58) }
```

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

```
.border{ border-color:rgb(234, 234, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 234, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 234, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 234, 58);  
box-shadow:4px 4px 4px 4px rgb(234, 234,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6436, 0.4105, 0.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 234, 58) }
```

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

```
.background{ background-color: rgb(234,  
234, 58) }
```

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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