

# Converting Colors

$Y_{xy}(76.5071, 0.4086, 0.4659)$

Have a look what the booklet for  
Yxy(76.5071, 0.4086, 0.4659)  
contains.

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# **Color**

**Yxy(76.3696, 0.4087, 0.4654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3E659
RGB	243, 230, 89
RGB Percent	95%, 90%, 35%
CMY	0.0470, 0.0980, 0.6509
CMYK	0.00, 0.05, 0.63, 0.05
HSL	55°, 87%, 65%
HSV	55°, 63%, 95%
XYZ	67.0654, 76.3696, 20.6595
YIQ	217.8130, 53.0090, -41.0950

# Conversions

## Conversions Part 2

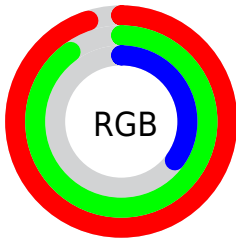
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 243, 89
Decimal	15984217
CIE <sub>Lab</sub>	90.03, -11.90, 67.89
CIE <sub>LCh</sub>	90, 68.920, 99.939
Yxy	76.3696, 0.4087, 0.4654
Android (android.graphics.Color)	4294174297 (0xFFFF3E659)
YUV	217.8130, -63.5048, 22.0890
Hunter-Lab	87.3897, -15.9458, 47.1562

# Details

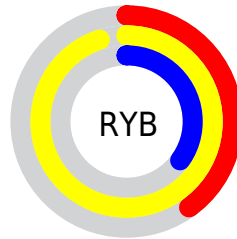
The Yxy color **76.3696, 0.4087, 0.4654** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **18.1035, 0.1925, 0.1391**, and the grayscale version is **70.3980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **40.9294, 0.4237, 0.4913** is the 20% darker color. If you saturate the color by 10%, you get **74.8941, 0.4195, 0.4786**, and if you desaturate by 10%, it is **78.0004, 0.3957, 0.4483**.

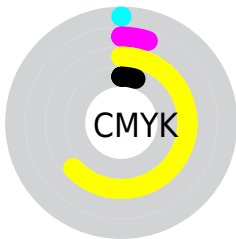
# Distribution



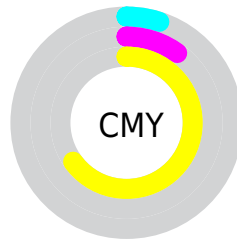
- Red (95%)
- Green (90%)
- Blue (35%)



- Red (40%)
- Yellow (95%)
- Blue (35%)



- Cyan (0%)
- Magenta (5%)
- Yellow (63%)
- Black (5%)




- Cyan (5%)
- Magenta (10%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3696, 0.4087, 0.4654 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 76.3696, 0.4087, 0.4654 by changing the saturation by 10% instead.





 76.3696, 0.4087,  
0.4654

 76.3696, 0.4087,  
0.4654

482.6120, 0.3693,  
0.4054


 56.7356, 0.4158,  
0.4774


 128.2492, 0.3965,  
0.4458


 40.7930, 0.4234,  
0.4913


 161.2637, 0.3913,  
0.4378

 28.1574, 0.4312,  
0.5069


 199.5070, 0.3866,  
0.4307

 18.4443, 0.4383,  
0.5242

 243.3638, 0.3824,  
0.4245

 11.2695, 0.4479,  
0.5483

293.2182, 0.3786,  
0.4189

 6.2484, 0.4412,  
0.5588

349.4548, 0.3752,

 2.9967, 0.4280,

0.4139

0.5720

412.4579, 0.3721,  
0.4095

■ 1.1300, 0.4037,  
0.5963

■ 0.0034, 0.0000,  
1.0000

■ 76.3696, 0.4087,  
0.4654

■ 76.3696, 0.4087,  
0.4654

■ 74.8941, 0.4195,  
0.4786

■ 78.0004, 0.3957,  
0.4483

■ 73.5494, 0.4276,  
0.4874


■ 79.7877, 0.3809,  
0.4282

■ 72.3220, 0.4329,  
0.4917


■ 81.7459, 0.3652,  
0.4061


■ 71.5563, 0.4352,  
0.4926

■ 83.8846, 0.3491,  
0.3828

 86.2129, 0.3331,  
0.3594

 88.7388, 0.3177,  
0.3365

 91.2020, 0.3056,  
0.3186

 92.4468, 0.3055,  
0.3206

 93.7054, 0.3055,  
0.3226

# Harmonies

## Analogous

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



76.3696, 0.4609, 0.4168



76.3696, 0.4087, 0.4654



76.3696, 0.3348, 0.4781

# Triad

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



76.3696, 0.4087, 0.4654



76.3696, 0.1756, 0.2671



76.3696, 0.3551, 0.2511

# Complementary

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



76.3696, 0.4087, 0.4654



18.1035, 0.1925, 0.1391

# 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.



76.3696, 0.2734, 0.2180



76.3696, 0.4087, 0.4654



76.3696, 0.1795, 0.2215

# Square

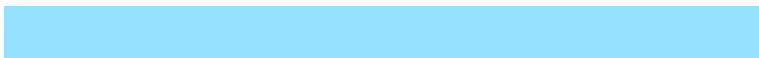
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3696, 0.4087, 0.4654



76.3696, 0.2022, 0.3446



76.3696, 0.2123, 0.2068



76.3696, 0.4325, 0.3003



# Rectangle

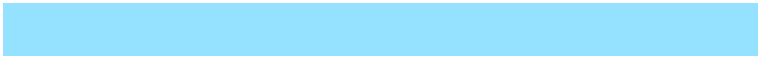
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3696, 0.4087, 0.4654



76.3696, 0.2832, 0.4533



76.3696, 0.2123, 0.2068



76.3696, 0.3268, 0.2379

# Sweetspot

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



76.3732, 0.4087, 0.4654



94.6795, 0.3421, 0.3727



27.2117, 0.4980, 0.3147



20.1087, 0.3467, 0.3794



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.



76.3732, 0.4087, 0.4654



83.1152, 0.4220, 0.4815



74.7029, 0.3563, 0.5021



19.0600, 0.3271, 0.3505



39.3672, 0.4349, 0.4929



3.5292, 0.4328, 0.4946



# Inverse Universe

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



18.1035, 0.1925, 0.1391



13.6064, 0.1714, 0.1028



20.1612, 0.2324, 0.1444



16.1516, 0.2979, 0.3066



3.9140, 0.1515, 0.0655

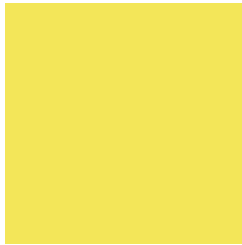


0.4197, 0.1550, 0.0780



# Previews

## White Background



This preview shows how the Yxy color 76.3696, 0.4087, 0.4654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

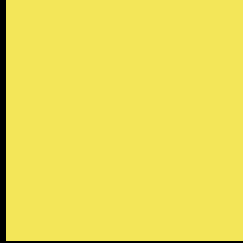
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3696, 0.4087, 0.4654 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 76.3696, 0.4087, 0.4654**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3696, 0.4087, 0.4654.



This preview shows how white text looks on a background with the Yxy color 76.3696, 0.4087, 0.4654.

# 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

76.3696, 0.4087, 0.4654

### Protanopia

76.3382, 0.4179, 0.4598

### Deuteranopia

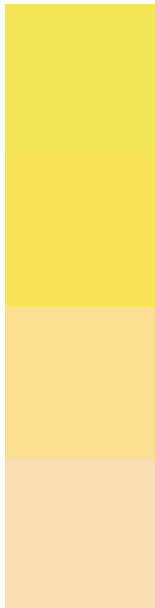
76.1472, 0.3687, 0.3742



## Tritanopia

76.1979, 0.3302, 0.3131

# Trichromacy



## Original Color

76.3696, 0.4087, 0.4654

## Protanomaly

76.3311, 0.4149, 0.4619

## Deuteranomaly

75.8649, 0.3866, 0.4099

## Tritanomaly

75.5174, 0.3635, 0.3715

# Monochromacy



## Original Color

76.3696, 0.4087, 0.4654

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.5137, 0.3511, 0.3854

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3696, 0.4087, 0.4654 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(243, 230, 89)` looks like.

```
.text, #text, p{  
    color:rgb(243, 230, 89)  
}
```

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(243, 230, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 230, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3696, 0.4087, 0.4654 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(243, 230, 89) }
```

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

```
.border{ border-color:rgb(243, 230, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 230, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 230, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 230, 89);  
box-shadow:4px 4px 4px 4px rgb(243, 230,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3696, 0.4087, 0.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 230, 89) }
```

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

```
.background{ background-color: rgb(243,  
230, 89) }
```

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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