

# Converting Colors

Yxy(52.0817, 0.4295, 0.4231)

Have a look what the booklet for  
Yxy(52.0817, 0.4295, 0.4231)  
contains.

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# Color

**Yxy(52.1856, 0.4295, 0.4235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAB75F
RGB	234, 183, 95
RGB Percent	92%, 72%, 37%
CMY	0.0825, 0.2823, 0.6274
CMYK	0.00, 0.22, 0.59, 0.08
HSL	38°, 77%, 65%
HSV	38°, 59%, 92%
XYZ	52.9249, 52.1856, 18.1140
YIQ	188.2170, 58.6440, -16.5560

# Conversions

## Conversions Part 2

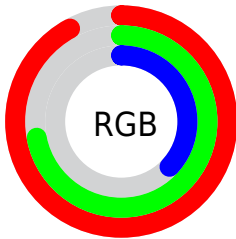
Format	Color
<a href="#">RYB</a>	<a href="#">176, 234, 95</a>
Decimal	<a href="#">15382367</a>
CIELab	<a href="#">77.39, 8.80, 51.02</a>
CIELCh	<a href="#">77, 51.776, 80.216</a>
Yxy	<a href="#">52.1856, 0.4295, 0.4235</a>
Android (android.graphics.Color)	<a href="#">4293572447 (0xFFEAB75F)</a>
YUV	<a href="#">188.2170, -45.9560, 40.1517</a>
Hunter-Lab	<a href="#">72.2396, 4.3553, 35.7008</a>

# Details

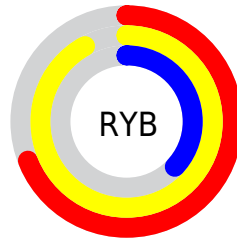
The Yxy color **52.1856, 0.4295, 0.4235** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **28.9236, 0.2123, 0.2057**, and the grayscale version is **50.6621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1311, 0.3816, 0.4195**, and **25.2611, 0.4561, 0.4412** is the 20% darker color. If you saturate the color by 10%, you get **48.3917, 0.4513, 0.4342**, and if you desaturate by 10%, it is **56.3281, 0.4071, 0.4097**.

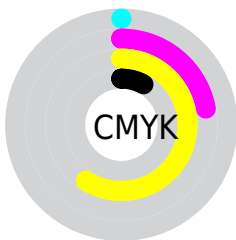
# Distribution



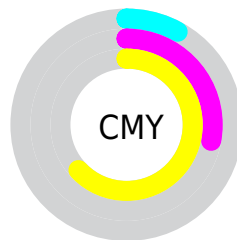
- Red (92%)
- Green (72%)
- Blue (37%)



- Red (69%)
- Yellow (92%)
- Blue (37%)



- Cyan (0%)
- Magenta (22%)
- Yellow (59%)
- Black (8%)




- Cyan (8%)
- Magenta (28%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1856, 0.4295, 0.4235 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 52.1856, 0.4295, 0.4235 by changing the saturation by 10% instead.





 52.1856, 0.4295,  
0.4235


 52.1856, 0.4295,  
0.4235


395.1527, 0.3743,  
0.3810


 37.1530, 0.4416,  
0.4321


 93.4049, 0.4106,  
0.4095

 25.3260, 0.4559,  
0.4418


 120.3604, 0.4031,  
0.4038

 16.3201, 0.4729,  
0.4524


 152.0591, 0.3967,  
0.3988

 9.7510, 0.4924,  
0.4629

 188.8852, 0.3910,  
0.3943

 5.2341, 0.5218,  
0.4782

231.2232, 0.3861,  
0.3904

 2.3853, 0.5318,  
0.4682

279.4576, 0.3817,

 0.8183, 0.5504,

0.3869

0.4496

333.9726, 0.3778,  
0.3838

0.0000, 0.0000,  
0.0000

52.1856, 0.4295,  
0.4235

52.1856, 0.4295,  
0.4235

48.3917, 0.4513,  
0.4342

56.3281, 0.4071,  
0.4097

44.9231, 0.4715,  
0.4406

60.8258, 0.3852,  
0.3939

41.7646, 0.4889,  
0.4419

65.6940, 0.3644,  
0.3771

38.8896, 0.5031,  
0.4384

70.9448, 0.3451,  
0.3602

38.7212, 0.5039,  
0.4381

76.5896, 0.3276,  
0.3438

■ 82.6389, 0.3118,  
0.3281

■ 88.8558, 0.2999,  
0.3171

■ 94.1143, 0.2999,  
0.3257

■ 96.2279, 0.2999,  
0.3290

# Harmonies

## Analogous

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



52.1856, 0.4514, 0.3746



52.1856, 0.4295, 0.4235



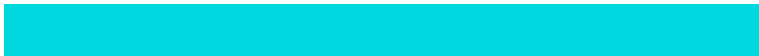
52.1856, 0.3770, 0.4546

# Triad

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



52.1856, 0.4295, 0.4235



52.1856, 0.2058, 0.3185



52.1856, 0.3024, 0.2398

# Complementary

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



52.1856, 0.4295, 0.4235



28.9236, 0.2123, 0.2057

# 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.



52.1856, 0.2415, 0.2230



52.1856, 0.4295, 0.4235



52.1856, 0.1910, 0.2600

# Square

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



52.1856, 0.4295, 0.4235



52.1856, 0.2479, 0.3917



52.1856, 0.2033, 0.2285



52.1856, 0.3738, 0.2750



# Rectangle

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



52.1856, 0.4295, 0.4235



52.1856, 0.3330, 0.4545



52.1856, 0.2033, 0.2285



52.1856, 0.2801, 0.2319

# Sweetspot

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



52.1881, 0.4295, 0.4235



87.1151, 0.3427, 0.3580



27.8231, 0.4236, 0.2716



18.2324, 0.3481, 0.3629



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.



52.1881, 0.4295, 0.4235



57.9793, 0.4554, 0.4358



74.5257, 0.3845, 0.4750



16.6443, 0.3277, 0.3439



22.0128, 0.5022, 0.4394



1.9109, 0.4877, 0.4509



# Inverse Universe

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



28.9236, 0.2123, 0.2057



27.5309, 0.1940, 0.1763



17.5215, 0.2077, 0.1426



15.4535, 0.2980, 0.3137



7.2810, 0.1659, 0.1171



0.7498, 0.1735, 0.1447



# Previews

## White Background



This preview shows how the Yxy color 52.1856, 0.4295, 0.4235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

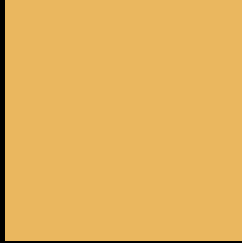
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.1856, 0.4295, 0.4235 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 52.1856, 0.4295, 0.4235**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.1856, 0.4295, 0.4235.



This preview shows how white text looks on a background with the Yxy color 52.1856, 0.4295, 0.4235.

# 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

52.1856, 0.4295, 0.4235

### Protanopia

52.4300, 0.4010, 0.4388

### Deuteranopia

52.1150, 0.4320, 0.4217



## Tritanopia

52.1331, 0.3629, 0.3149

# Trichromacy



**Original Color**

52.1856, 0.4295, 0.4235

**Protanomaly**

52.3183, 0.4107, 0.4335

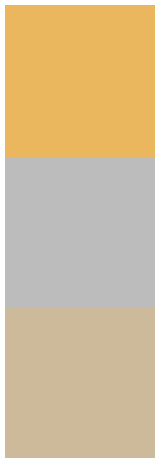
**Deuteranomaly**

51.9443, 0.4311, 0.4221

**Tritanomaly**

51.9213, 0.3890, 0.3561

# Monochromacy



**Original Color**

52.1856, 0.4295, 0.4235

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

50.4300, 0.3552, 0.3688

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.1856, 0.4295, 0.4235 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, 183, 95)` looks like.

```
.text, #text, p{  
    color:rgb(234, 183, 95)  
}
```

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, 183, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 183, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 52.1856, 0.4295, 0.4235 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, 183, 95) }
```

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

```
.border{ border-color:rgb(234, 183, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 183, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 183, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 183, 95);  
box-shadow:4px 4px 4px 4px rgb(234, 183,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.1856, 0.4295, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 183, 95) }
```

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

```
.background{ background-color: rgb(234,  
183, 95) }
```

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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