

Converting Colors

$Yxy(66.2487, 0.4202, 0.4688)$

Have a look what the booklet for
Yxy(66.2487, 0.4202, 0.4688)
contains.

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Color

Yxy(66.2102, 0.4208, 0.4687)

Conversions

Conversions Part 1

Format	Color
Hex	EBD647
RGB	235, 214, 71
RGB Percent	92%, 84%, 28%
CMY	0.0785, 0.1608, 0.7215
CMYK	0.00, 0.09, 0.70, 0.08
HSL	52°, 80%, 60%
HSV	52°, 70%, 92%
XYZ	59.4437, 66.2102, 15.6096
YIQ	203.9770, 58.4190, -40.0210

Conversions

Conversions Part 2

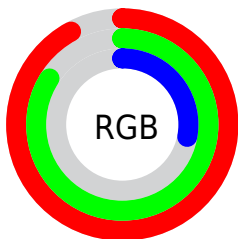
Format	Color
RYB	95, 235, 71
Decimal	15455815
CIELab	85.10, -8.20, 69.64
CIELCh	85, 70.123, 96.718
Yxy	66.2102, 0.4208, 0.4687
Android (android.graphics.Color)	4293645895 (0xFFEBD647)
YUV	203.9770, -65.5577, 27.2072
Hunter-Lab	81.3697, -11.9957, 45.5848

Details

The Yxy color **66.2102, 0.4208, 0.4687** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.9922, 0.1834, 0.1284**, and the grayscale version is **60.7652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3123, 0.3864, 0.4509**, and **34.3717, 0.4361, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **64.4593, 0.4313, 0.4787**, and if you desaturate by 10%, it is **68.1121, 0.4078, 0.4545**.

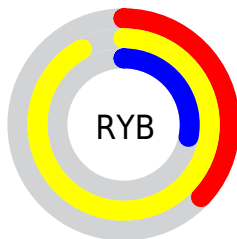
Distribution



Red (92%)

Green (84%)

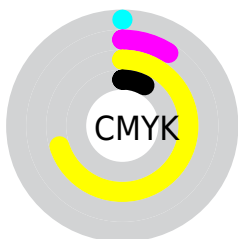
Blue (28%)



Red (37%)

Yellow (92%)

Blue (28%)

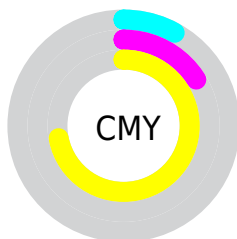


Cyan (0%)

Magenta (9%)

Yellow (70%)

Black (8%)



Cyan (8%)


Magenta (16%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2102, 0.4208, 0.4687 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 66.2102, 0.4208, 0.4687 by changing the saturation by 10% instead.


 66.2102, 0.4208,
0.4687


 66.2102, 0.4208,
0.4687


447.1283, 0.3755,
0.4071


 48.4431, 0.4289,
0.4808


 113.7880, 0.4067,
0.4487

 34.1779, 0.4376,
0.4944


 144.3674, 0.4007,
0.4405


 23.0303, 0.4461,
0.5092


 179.9864, 0.3953,
0.4332

 14.6159, 0.4542,
0.5254

 221.0293, 0.3905,
0.4268

 8.5502, 0.4589,
0.5411

 267.8805, 0.3861,
0.4210

 4.4490, 0.4519,
0.5481

320.9245, 0.3822,

 1.9278, 0.4402,

0.4159

0.5598

380.5456, 0.3787,
0.4113

■ 0.5650, 0.3735,
0.6265

■ 0.0000, 0.0000,
0.0000

■ 66.2102, 0.4208,
0.4687

■ 66.2102, 0.4208,
0.4687

■ 64.4593, 0.4313,
0.4787

■ 68.1121, 0.4078,
0.4545

■ 62.8355, 0.4390,
0.4841


■ 70.1677, 0.3929,
0.4368

■ 61.3180, 0.4441,
0.4855


■ 72.3909, 0.3768,
0.4165


■ 61.2853, 0.4442,
0.4855


■ 74.7912, 0.3602,
0.3947

 77.3775, 0.3436,
0.3723

 80.1577, 0.3276,
0.3501

 83.1396, 0.3124,
0.3285

 86.0692, 0.3006,
0.3120

 87.8358, 0.3006,
0.3151

Harmonies

Analogous

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



66.2102, 0.4733, 0.4138



66.2102, 0.4208, 0.4687



66.2102, 0.3439, 0.4901

Triad

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



66.2102, 0.4208, 0.4687



66.2102, 0.1694, 0.2698



66.2102, 0.3478, 0.2420

Complementary

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



66.2102, 0.4208, 0.4687



14.9922, 0.1834, 0.1284

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.



66.2102, 0.2625, 0.2096



66.2102, 0.4208, 0.4687



66.2102, 0.1705, 0.2185

Square

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



66.2102, 0.4208, 0.4687



66.2102, 0.2004, 0.3554



66.2102, 0.2014, 0.2004



66.2102, 0.4329, 0.2920

Rectangle

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



66.2102, 0.4208, 0.4687



66.2102, 0.2891, 0.4692



66.2102, 0.2014, 0.2004



66.2102, 0.3177, 0.2289

Sweetspot

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



66.2133, 0.4208, 0.4687



92.7234, 0.3458, 0.3752



22.9575, 0.5188, 0.3095



19.6587, 0.3504, 0.3815



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.



66.2133, 0.4208, 0.4687



76.6786, 0.4352, 0.4817



68.9668, 0.3614, 0.5140



17.2789, 0.3271, 0.3494



34.2425, 0.4437, 0.4859



2.7807, 0.4399, 0.4889

Inverse Universe

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



14.9922, 0.1834, 0.1284



11.8474, 0.1635, 0.0921



15.3425, 0.2181, 0.1256



14.8596, 0.2980, 0.3078



3.9578, 0.1527, 0.0698



0.4109, 0.1581, 0.0890

Previews

White Background



This preview shows how the Yxy color 66.2102, 0.4208, 0.4687 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 66.2102, 0.4208, 0.4687 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 66.2102, 0.4208, 0.4687

Background



This preview shows how black text looks on a background with the Yxy color 66.2102, 0.4208, 0.4687.

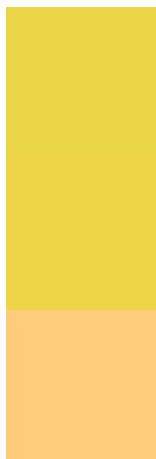


This preview shows how white text looks on a background with the Yxy color 66.2102, 0.4208, 0.4687.

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

66.2102, 0.4208, 0.4687

Protanopia

66.2206, 0.4239, 0.4664

Deuteranopia

65.8758, 0.4144, 0.4111



Tritanopia

66.0406, 0.3378, 0.3124

Trichromacy



Original Color

66.2102, 0.4208, 0.4687

Protanomaly

66.0480, 0.4231, 0.4669

Deuteranomaly

66.0677, 0.4186, 0.4337

Tritanomaly

65.3617, 0.3746, 0.3744

Monochromacy



Original Color

66.2102, 0.4208, 0.4687

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.9591, 0.3559, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2102, 0.4208, 0.4687 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(235, 214, 71)` looks like.

```
.text, #text, p{  
    color:rgb(235, 214, 71)  
}
```

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(235, 214, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 214, 71) }
```

Border

The CSS property to change the border of an element to Yxy 66.2102, 0.4208, 0.4687 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(235, 214, 71) }
```

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

```
.border{ border-color:rgb(235, 214, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 214, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 214, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 214, 71);  
box-shadow:4px 4px 4px 4px rgb(235, 214,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2102, 0.4208, 0.4687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 214, 71) }
```

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

```
.background{ background-color: rgb(235,  
214, 71) }
```

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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