

Converting Colors

$Yxy(65.9234, 0.4056, 0.4262)$

Have a look what the booklet for
Yxy(65.9234, 0.4056, 0.4262)
contains.

Yxy(65.7391, 0.4057, 0.4263)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.7391, 0.4057, 0.4263)

Conversions

Conversions Part 1

Format	Color
Hex	F2D174
RGB	242, 209, 116
RGB Percent	95%, 82%, 45%
CMY	0.0511, 0.1803, 0.5452
CMYK	0.00, 0.14, 0.52, 0.05
HSL	44°, 83%, 70%
HSV	44°, 52%, 95%
XYZ	62.5624, 65.7391, 25.9070
YIQ	208.2650, 49.5210, -21.9270

Conversions

Conversions Part 2

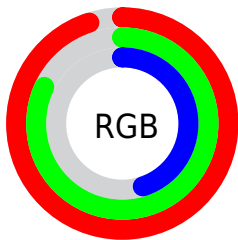
Format	Color
RYB	161, 242, 116
Decimal	15913332
CIELab	84.86, 0.18, 49.97
CIElCh	85, 49.971, 89.789
Yxy	65.7391, 0.4057, 0.4263
Android (android.graphics.Color)	4294103412 (0xFFFF2D174)
YUV	208.2650, -45.4866, 29.5856
Hunter-Lab	81.0797, -4.1558, 37.8111

Details

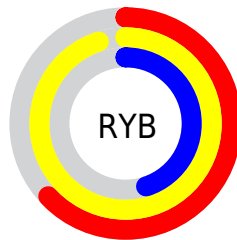
The Yxy color **65.7391, 0.4057, 0.4263** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.5938, 0.2207, 0.2054**, and the grayscale version is **63.5331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **33.8801, 0.4248, 0.4473** is the 20% darker color. If you saturate the color by 10%, you get **62.2061, 0.4244, 0.4413**, and if you desaturate by 10%, it is **69.5483, 0.3864, 0.4088**.

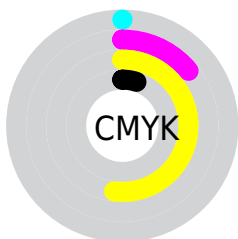
Distribution



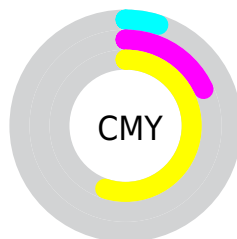
- Red (95%)
- Green (82%)
- Blue (45%)



- Red (63%)
- Yellow (95%)
- Blue (45%)



- Cyan (0%)
- Magenta (14%)
- Yellow (52%)
- Black (5%)





- Cyan (5%)
- Magenta (18%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7391, 0.4057, 0.4263 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 65.7391, 0.4057, 0.4263 by changing the saturation by 10% instead.


 65.7391, 0.4057,
0.4263


 65.7391, 0.4057,
0.4263


445.4432, 0.3637,
0.3823

 48.0606, 0.4146,
0.4356

 113.1118, 0.3916,
0.4116

 33.8749, 0.4251,
0.4465


 143.5748, 0.3859,
0.4056

 22.7975, 0.4374,
0.4594


 179.0681, 0.3810,
0.4005

 14.4441, 0.4516,
0.4742

219.9762, 0.3767,
0.3960

 8.4302, 0.4678,
0.4909

266.6833, 0.3729,
0.3920

 4.3714, 0.4881,
0.5119

319.5739, 0.3694,

 1.8834, 0.4883,

0.3884

0.5117

379.0324, 0.3664,
0.3852

■ 0.5384, 0.4895,
0.5105

■ 0.0000, 0.0000,
0.0000

■ 65.7391, 0.4057,
0.4263

■ 65.7391, 0.4057,
0.4263

■ 62.2061, 0.4244,
0.4413

■ 69.5483, 0.3864,
0.4088

■ 58.9270, 0.4415,
0.4528

■ 73.6361, 0.3673,
0.3899


■ 55.8899, 0.4564,
0.4598

■ 78.0166, 0.3490,
0.3705

■ 53.0774, 0.4682,
0.4619


■ 82.6997, 0.3317,
0.3512

 50.9857, 0.4757,
0.4605

 87.6948, 0.3158,
0.3327

 92.6077, 0.3049,
0.3211

 96.5443, 0.3048,
0.3273

 97.6121, 0.3047,
0.3290

Harmonies

Analogous

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



65.7391, 0.4348, 0.3865



65.7391, 0.4057, 0.4263



65.7391, 0.3530, 0.4430

Triad

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



65.7391, 0.4057, 0.4263



65.7391, 0.2090, 0.3014



65.7391, 0.3242, 0.2567

Complementary

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



65.7391, 0.4057, 0.4263



31.5938, 0.2207, 0.2054

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.



65.7391, 0.2644, 0.2355



65.7391, 0.4057, 0.4263



65.7391, 0.2031, 0.2556

Square

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



65.7391, 0.4057, 0.4263



65.7391, 0.2401, 0.3644



65.7391, 0.2222, 0.2341



65.7391, 0.3864, 0.2933

Rectangle

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



65.7391, 0.4057, 0.4263



65.7391, 0.3124, 0.4329



65.7391, 0.2222, 0.2341



65.7391, 0.3030, 0.2477

Sweetspot

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



65.7422, 0.4057, 0.4263



91.0247, 0.3384, 0.3588



33.5463, 0.4221, 0.2931



19.2499, 0.3420, 0.3628



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.



65.7422, 0.4057, 0.4263



70.0368, 0.4245, 0.4415



78.8299, 0.3670, 0.4651



17.7185, 0.3275, 0.3463



27.6311, 0.4745, 0.4614



2.4592, 0.4656, 0.4685

Inverse Universe

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



31.5938, 0.2207, 0.2054



28.0050, 0.2026, 0.1768



24.9488, 0.2330, 0.1709



15.9009, 0.2980, 0.3110



5.5595, 0.1587, 0.0913



0.6190, 0.1656, 0.1162

Previews

White Background



This preview shows how the Yxy color 65.7391, 0.4057, 0.4263 looks on a white background.

Color Contrast Check

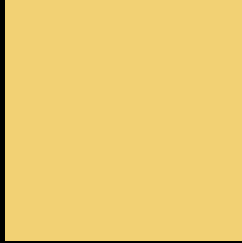
Large Text (above 18pt) WCAG AA × Fail

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 65.7391, 0.4057, 0.4263 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 65.7391, 0.4057, 0.4263

Background



This preview shows how black text looks on a background with the Yxy color 65.7391, 0.4057, 0.4263.



This preview shows how white text looks on a background with the Yxy color 65.7391, 0.4057, 0.4263.

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

65.7391, 0.4057, 0.4263

Protanopia

65.6950, 0.3961, 0.4311

Deuteranopia

65.5836, 0.4101, 0.4037



Tritanopia

65.7015, 0.3436, 0.3136

Trichromacy



Original Color

65.7391, 0.4057, 0.4263

Protanomaly

65.7058, 0.3991, 0.4292

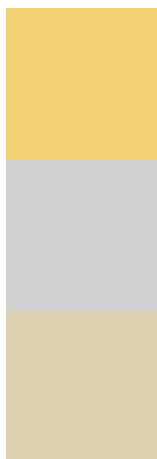
Deuteranomaly

65.4673, 0.4084, 0.4116

Tritanomaly

65.4119, 0.3680, 0.3546

Monochromacy



Original Color

65.7391, 0.4057, 0.4263

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.4225, 0.3460, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7391, 0.4057, 0.4263 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(242, 209, 116)` looks like.

```
.text, #text, p{  
    color:rgb(242, 209, 116)  
}
```

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(242, 209, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 209, 116) }
```

Border

The CSS property to change the border of an element to Yxy 65.7391, 0.4057, 0.4263 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(242, 209, 116) }
```

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

```
.border{ border-color:rgb(242, 209, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 209, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 209, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 209, 116);  
box-shadow:4px 4px 4px 4px rgb(242, 209,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7391, 0.4057, 0.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 209, 116) }
```

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

```
.background{ background-color: rgb(242,  
209, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor