

# Converting Colors

$Y_{xy}(52.0978, 0.4438, 0.4241)$

Have a look what the booklet for  
Yxy(52.0978, 0.4438, 0.4241)  
contains.

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# Color

**Yxy(52.2079, 0.4441, 0.4242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2B457
RGB	242, 180, 87
RGB Percent	95%, 71%, 34%
CMY	0.0510, 0.2941, 0.6589
CMYK	0.00, 0.26, 0.64, 0.05
HSL	36°, 86%, 65%
HSV	36°, 64%, 95%
XYZ	54.6571, 52.2079, 16.2088
YIQ	187.9360, 66.8050, -15.7790

# Conversions

## Conversions Part 2

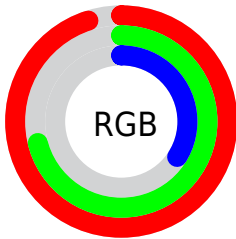
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 242, 87
Decimal	15905879
CIE <sub>Lab</sub>	77.40, 13.18, 55.05
CIE <sub>LCh</sub>	77, 56.602, 76.534
Yxy	52.2079, 0.4441, 0.4242
Android (android.graphics.Color)	4294095959 (0xFFFF2B457)
YUV	187.9360, -49.7614, 47.4141
Hunter-Lab	72.2550, 8.5794, 37.2781

# Details

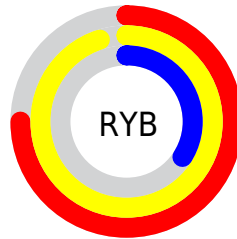
The Yxy color **52.2079, 0.4441, 0.4242** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **29.9193, 0.2063, 0.2011**, and the grayscale version is **50.5111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1444, 0.3877, 0.4243**, and **25.2393, 0.4737, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **48.1073, 0.4668, 0.4323**, and if you desaturate by 10%, it is **56.7189, 0.4205, 0.4124**.

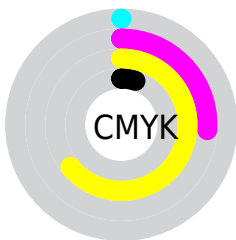
# Distribution



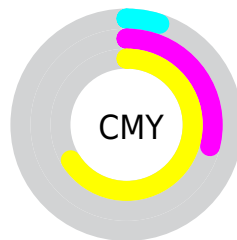
- Red (95%)
- Green (71%)
- Blue (34%)



- Red (75%)
- Yellow (95%)
- Blue (34%)



- Cyan (0%)
- Magenta (26%)
- Yellow (64%)
- Black (5%)




- Cyan (5%)
- Magenta (29%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2079, 0.4441, 0.4242 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 52.2079, 0.4441, 0.4242 by changing the saturation by 10% instead.





 52.2079, 0.4441,  
0.4242


 52.2079, 0.4441,  
0.4242

395.2387, 0.3824,  
0.3828


 37.1708, 0.4574,  
0.4320


 93.4378, 0.4231,  
0.4110

 25.3398, 0.4731,  
0.4404


 120.3994, 0.4147,  
0.4054

 16.3304, 0.4914,  
0.4488


 152.1046, 0.4075,  
0.4005

 9.7582, 0.5127,  
0.4564

 188.9378, 0.4012,  
0.3962

 5.2390, 0.5383,  
0.4617

231.2834, 0.3956,  
0.3923

 2.3881, 0.5528,  
0.4472

279.5258, 0.3907,

 0.8198, 0.5792,

0.3888

0.4208

334.0495, 0.3863,  
0.3857

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.2079, 0.4441,  
0.4242

52.2079, 0.4441,  
0.4242

48.1073, 0.4668,  
0.4323

56.7189, 0.4205,  
0.4124

44.3900, 0.4874,  
0.4357


61.6500, 0.3972,  
0.3980

41.0360, 0.5047,  
0.4336


67.0194, 0.3750,  
0.3823


39.1971, 0.5136,  
0.4304

72.8420, 0.3544,  
0.3662

 79.1315, 0.3357,  
0.3503

 85.9008, 0.3190,  
0.3350

 93.0735, 0.3049,  
0.3219

 97.6159, 0.3047,  
0.3290

# Harmonies

## Analogous

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



52.2079, 0.4637, 0.3698



52.2079, 0.4441, 0.4242



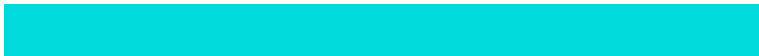
52.2079, 0.3896, 0.4633

# Triad

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



52.2079, 0.4441, 0.4242



52.2079, 0.2009, 0.3263



52.2079, 0.2920, 0.2295

# Complementary

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



52.2079, 0.4441, 0.4242



29.9193, 0.2063, 0.2011

# 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.



52.2079, 0.2289, 0.2141



52.2079, 0.4441, 0.4242



52.2079, 0.1818, 0.2595

# Square

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



52.2079, 0.4441, 0.4242



52.2079, 0.2492, 0.4075



52.2079, 0.1915, 0.2227



52.2079, 0.3698, 0.2649



# Rectangle

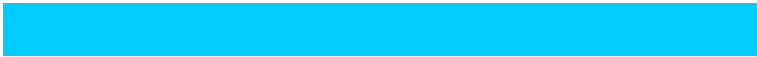
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.2079, 0.4441, 0.4242



52.2079, 0.3427, 0.4687



52.2079, 0.1915, 0.2227



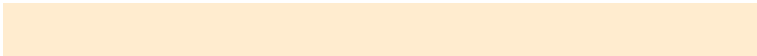
52.2079, 0.2685, 0.2219

# Sweetspot

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



52.2105, 0.4441, 0.4242



85.5193, 0.3448, 0.3582



27.8589, 0.4340, 0.2660



17.8745, 0.3503, 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.



52.2105, 0.4441, 0.4242



52.8146, 0.4736, 0.4340



80.4359, 0.3902, 0.4830



17.3368, 0.3278, 0.3432



21.3331, 0.5116, 0.4320



1.9688, 0.4962, 0.4442



# Inverse Universe

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



29.9193, 0.2063, 0.2011



26.0765, 0.1882, 0.1704



16.0769, 0.1969, 0.1268



16.2660, 0.2980, 0.3144



8.2636, 0.1684, 0.1263



0.8770, 0.1756, 0.1523



# Previews

## White Background



This preview shows how the Yxy color 52.2079, 0.4441, 0.4242 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 52.2079, 0.4441, 0.4242 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 52.2079, 0.4441, 0.4242**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2079, 0.4441, 0.4242.



This preview shows how white text looks on a background with the Yxy color 52.2079, 0.4441, 0.4242.

# 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

52.2079, 0.4441, 0.4242

### Protanopia

52.4517, 0.4064, 0.4451

### Deuteranopia

52.1323, 0.4389, 0.4290



## Tritanopia

52.2666, 0.3745, 0.3163

# Trichromacy



**Original Color**

52.2079, 0.4441, 0.4242

**Protanomaly**

52.3926, 0.4196, 0.4374

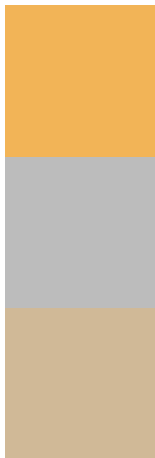
**Deuteranomaly**

52.0704, 0.4414, 0.4272

**Tritanomaly**

51.9715, 0.4030, 0.3586

# Monochromacy



**Original Color**

52.2079, 0.4441, 0.4242

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

50.3422, 0.3607, 0.3710

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2079, 0.4441, 0.4242 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, 180, 87)` looks like.

```
.text, #text, p{  
    color:rgb(242, 180, 87)  
}
```

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, 180, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 180, 87) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2079, 0.4441, 0.4242 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, 180, 87) }
```

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

```
.border{ border-color:rgb(242, 180, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 180, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 180, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 180, 87);  
box-shadow:4px 4px 4px 4px rgb(242, 180,  
87) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2079, 0.4441, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 180, 87) }
```

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

```
.background{ background-color: rgb(242,  
180, 87) }
```

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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