

# Converting Colors

$Y_{xy}(54.1254, 0.4055, 0.4462)$

Have a look what the booklet for  
Yxy(54.1254, 0.4055, 0.4462)  
contains.

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# **Color**

**Yxy(54.0991, 0.4056, 0.4462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6C35C
RGB	214, 195, 92
RGB Percent	84%, 76%, 36%
CMY	0.1608, 0.2353, 0.6393
CMYK	0.00, 0.09, 0.57, 0.16
HSL	51°, 60%, 60%
HSV	51°, 57%, 84%
XYZ	49.1766, 54.0991, 17.9684
YIQ	188.9390, 44.3870, -28.0050

# Conversions

## Conversions Part 2

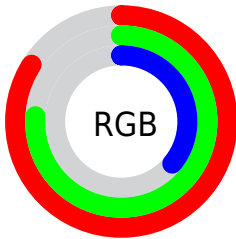
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 214, 92
Decimal	14074716
CIELab	78.52, -6.01, 53.26
CIELCh	79, 53.601, 96.440
Yxy	54.0991, 0.4056, 0.4462
Android (android.graphics.Color)	4292264796 (0xFFD6C35C)
YUV	188.9390, -47.7909, 21.9785
Hunter-Lab	73.5521, -9.3719, 37.0022

# Details

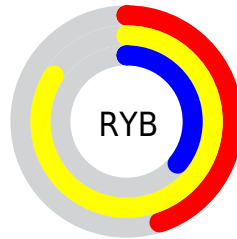
The Yxy color **54.0991, 0.4056, 0.4462** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **18.4888, 0.2083, 0.1732**, and the grayscale version is **51.1113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2987, 0.3787, 0.4323**, and **26.6606, 0.4245, 0.4726** is the 20% darker color. If you saturate the color by 10%, you get **52.3031, 0.4200, 0.4612**, and if you desaturate by 10%, it is **56.0391, 0.3896, 0.4281**.

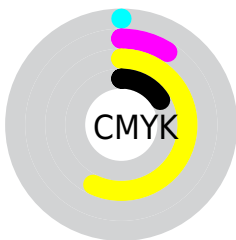
# Distribution



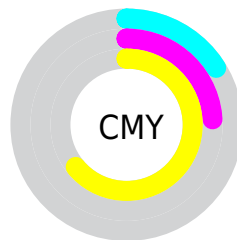
- Red (84%)
- Green (76%)
- Blue (36%)



- Red (45%)
- Yellow (84%)
- Blue (36%)



- Cyan (0%)
- Magenta (9%)
- Yellow (57%)
- Black (16%)




- Cyan (16%)
- Magenta (24%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0991, 0.4056, 0.4462 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 54.0991, 0.4056, 0.4462 by changing the saturation by 10% instead.





 54.0991, 0.4056,  
0.4462


 54.0991, 0.4056,  
0.4462


402.4878, 0.3633,  
0.3910


 38.6809, 0.4143,  
0.4582


 96.2197, 0.3915,  
0.4273

 26.5116, 0.4243,  
0.4725


 123.6910, 0.3858,  
0.4199

 17.2067, 0.4354,  
0.4892


 155.9486, 0.3808,  
0.4134

 10.3820, 0.4469,  
0.5082

 193.3772, 0.3765,  
0.4078

 5.6530, 0.4635,  
0.5365

236.3610, 0.3726,  
0.4028

 2.6352, 0.4565,  
0.5435

285.2844, 0.3691,

 0.9444, 0.4425,

0.3984

0.5575

340.5319, 0.3661,  
0.3945

0.0000, 0.0000,  
0.0000

54.0991, 0.4056,  
0.4462

54.0991, 0.4056,  
0.4462

52.3031, 0.4200,  
0.4612

56.0391, 0.3896,  
0.4281

50.6342, 0.4322,  
0.4722

58.1238, 0.3728,  
0.4079

49.0839, 0.4417,  
0.4787

60.3633, 0.3558,  
0.3865

47.6379, 0.4483,  
0.4807

62.7645, 0.3392,  
0.3648

47.2201, 0.4500,  
0.4809

65.3337, 0.3233,  
0.3435

■ 68.0771, 0.3084,  
0.3230

■ 71.0002, 0.2946,  
0.3037

■ 73.5711, 0.2868,  
0.2938

■ 75.3538, 0.2869,  
0.2974

# Harmonies

## Analogous

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



54.0991, 0.4470, 0.4033



54.0991, 0.4056, 0.4462



54.0991, 0.3419, 0.4592

# Triad

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



54.0991, 0.4056, 0.4462



54.0991, 0.1920, 0.2825



54.0991, 0.3417, 0.2554

# Complementary

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



54.0991, 0.4056, 0.4462



18.4888, 0.2083, 0.1732

# 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.



54.0991, 0.2711, 0.2276



54.0991, 0.4056, 0.4462



54.0991, 0.1920, 0.2376

# Square

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



54.0991, 0.4056, 0.4462



54.0991, 0.2200, 0.3523



54.0991, 0.2189, 0.2204



54.0991, 0.4106, 0.2988



# Rectangle

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



54.0991, 0.4056, 0.4462



54.0991, 0.2959, 0.4411



54.0991, 0.2189, 0.2204



54.0991, 0.3171, 0.2441

# Sweetspot

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



54.1016, 0.4056, 0.4462



93.2872, 0.3394, 0.3651



23.1217, 0.4558, 0.3055



19.8081, 0.3428, 0.3695



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.



54.1016, 0.4056, 0.4462



77.3597, 0.4222, 0.4633



57.7842, 0.3605, 0.4813



14.1754, 0.3270, 0.3485



28.6678, 0.4495, 0.4813



1.8198, 0.4435, 0.4861



# Inverse Universe

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



18.4888, 0.2083, 0.1732



19.8443, 0.1872, 0.1380



17.4621, 0.2354, 0.1607



12.3176, 0.2982, 0.3087



3.6995, 0.1538, 0.0737



0.3234, 0.1615, 0.1013



# Previews

## White Background



This preview shows how the Yxy color 54.0991, 0.4056, 0.4462 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 54.0991, 0.4056, 0.4462 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 54.0991, 0.4056, 0.4462**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0991, 0.4056, 0.4462.



This preview shows how white text looks on a background with the Yxy color 54.0991, 0.4056, 0.4462.

# 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

54.0991, 0.4056, 0.4462

### Protanopia

54.2500, 0.4065, 0.4457

### Deuteranopia

53.8749, 0.4324, 0.4235



## Tritanopia

54.2055, 0.3355, 0.3131

# Trichromacy



## Original Color

54.0991, 0.4056, 0.4462

## Protanomaly

54.2500, 0.4065, 0.4457

## Deuteranomaly

54.0263, 0.4224, 0.4318

## Tritanomaly

53.6853, 0.3638, 0.3633

# Monochromacy



## Original Color

54.0991, 0.4056, 0.4462

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.6005, 0.3476, 0.3756

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0991, 0.4056, 0.4462 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(214, 195, 92)` looks like.

```
.text, #text, p{  
    color:rgb(214, 195, 92)  
}
```

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(214, 195, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 195, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0991, 0.4056, 0.4462 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(214, 195, 92) }
```

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

```
.border{ border-color:rgb(214, 195, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 195, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 195, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 195, 92);  
box-shadow:4px 4px 4px 4px rgb(214, 195,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0991, 0.4056, 0.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 195, 92) }
```

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

```
.background{ background-color: rgb(214,  
195, 92) }
```

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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