

# Converting Colors

$Yxy(55.1168, 0.4025, 0.4376)$

Have a look what the booklet for  
Yxy(55.1168, 0.4025, 0.4376)  
contains.

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# Color

**Yxy(55.1517, 0.4025, 0.4383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9C464
RGB	217, 196, 100
RGB Percent	85%, 77%, 39%
CMY	0.1492, 0.2313, 0.6078
CMYK	0.00, 0.10, 0.54, 0.15
HSL	49°, 61%, 62%
HSV	49°, 54%, 85%
XYZ	50.6470, 55.1517, 20.0323
YIQ	191.3350, 43.3320, -25.4040

# Conversions

## Conversions Part 2

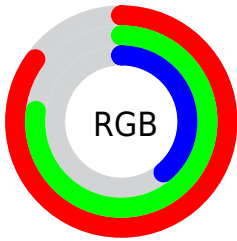
Format	Color
<b>RYB</b>	126, 217, 100
Decimal	14271588
CIELab	79.13, -4.68, 50.26
CIELCh	79, 50.481, 95.315
Yxy	55.1517, 0.4025, 0.4383
Android (android.graphics.Color)	4292461668 (0xFFD9C464)
YUV	191.3350, -45.0282, 22.5082
Hunter-Lab	74.2642, -8.2283, 35.9918

# Details

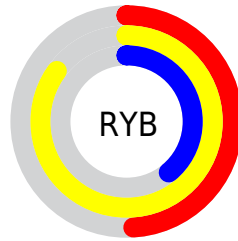
The Yxy color **55.1517, 0.4025, 0.4383** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.3783, 0.2150, 0.1868**, and the grayscale version is **52.5518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1807, 0.3739, 0.4259**, and **27.3319, 0.4216, 0.4637** is the 20% darker color. If you saturate the color by 10%, you get **53.0584, 0.4182, 0.4540**, and if you desaturate by 10%, it is **57.4074, 0.3856, 0.4198**.

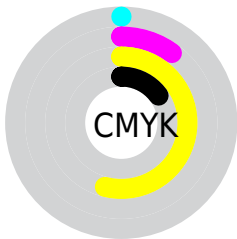
# Distribution



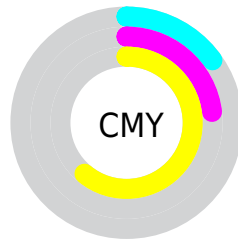
- Red (85%)
- Green (77%)
- Blue (39%)



- Red (49%)
- Yellow (85%)
- Blue (39%)



- Cyan (0%)
- Magenta (10%)
- Yellow (54%)
- Black (15%)




- Cyan (15%)
- Magenta (23%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1517, 0.4025, 0.4383 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 55.1517, 0.4025, 0.4383 by changing the saturation by 10% instead.





 55.1517, 0.4025,  
0.4383

 55.1517, 0.4025,  
0.4383

406.4867, 0.3613,  
0.3868

 39.5232, 0.4112,  
0.4496


 97.7632, 0.3886,  
0.4206

 27.1670, 0.4214,  
0.4631


 125.5149, 0.3831,  
0.4137

 17.6987, 0.4330,  
0.4791


 158.0766, 0.3782,  
0.4077

 10.7339, 0.4456,  
0.4977

 195.8325, 0.3740,  
0.4024

 5.8882, 0.4691,  
0.5309

239.1671, 0.3702,  
0.3978

 2.7772, 0.4638,  
0.5362

288.4647, 0.3669,

 1.0166, 0.4543,

0.3937

0.5457

344.1098, 0.3639,  
0.3901

0.0000, 0.0000,  
0.0000

55.1517, 0.4025,  
0.4383

55.1517, 0.4025,  
0.4383

53.0584, 0.4182,  
0.4540

57.4074, 0.3856,  
0.4198

51.1103, 0.4319,  
0.4660

59.8262, 0.3682,  
0.3995

49.2992, 0.4431,  
0.4736

62.4183, 0.3509,  
0.3784

47.6119, 0.4514,  
0.4766

65.1908, 0.3343,  
0.3573

46.6316, 0.4553,  
0.4767

68.1504, 0.3186,  
0.3368

■ 71.3032, 0.3040,  
0.3172

■ 74.6552, 0.2906,  
0.2988

■ 76.9573, 0.2889,  
0.2998

■ 79.1077, 0.2891,  
0.3040

# Harmonies

## Analogous

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



55.1517, 0.4398, 0.3981



55.1517, 0.4025, 0.4383



55.1517, 0.3433, 0.4507

# Triad

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



55.1517, 0.4025, 0.4383



55.1517, 0.1993, 0.2881



55.1517, 0.3375, 0.2583

# Complementary

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



55.1517, 0.4025, 0.4383



21.3783, 0.2150, 0.1868

# 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.



55.1517, 0.2716, 0.2325



55.1517, 0.4025, 0.4383



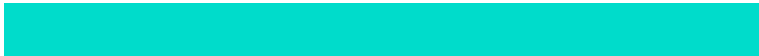
55.1517, 0.1982, 0.2443

# Square

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



55.1517, 0.4025, 0.4383



55.1517, 0.2271, 0.3538



55.1517, 0.2229, 0.2267



55.1517, 0.4022, 0.2991



# Rectangle

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



55.1517, 0.4025, 0.4383



55.1517, 0.2999, 0.4346



55.1517, 0.2229, 0.2267



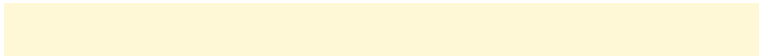
55.1517, 0.3145, 0.2477

# Sweetspot

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



55.1543, 0.4025, 0.4383



93.0724, 0.3379, 0.3620



25.2518, 0.4411, 0.3040



19.7416, 0.3414, 0.3664



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.



55.1543, 0.4025, 0.4383



76.0099, 0.4207, 0.4563



60.2200, 0.3604, 0.4727



14.8466, 0.3271, 0.3481



28.3807, 0.4547, 0.4771



1.9445, 0.4480, 0.4825



# Inverse Universe

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



21.3783, 0.2150, 0.1868



22.5329, 0.1935, 0.1515



19.4440, 0.2387, 0.1694



12.9923, 0.2981, 0.3092



4.0151, 0.1547, 0.0770



0.3749, 0.1625, 0.1050



# Previews

## White Background



This preview shows how the Yxy color 55.1517, 0.4025, 0.4383 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 55.1517, 0.4025, 0.4383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

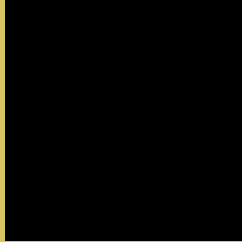
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.1517, 0.4025, 0.4383**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1517, 0.4025, 0.4383.



This preview shows how white text looks on a background with the Yxy color 55.1517, 0.4025, 0.4383.

# 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

55.1517, 0.4025, 0.4383

### Protanopia

54.9989, 0.4017, 0.4387

### Deuteranopia

55.0252, 0.4271, 0.4189



## Tritanopia

54.9902, 0.3362, 0.3132

# Trichromacy



## Original Color

55.1517, 0.4025, 0.4383

## Protanomaly

54.9989, 0.4017, 0.4387

## Deuteranomaly

54.9223, 0.4188, 0.4257

## Tritanomaly

54.7275, 0.3628, 0.3594

# Monochromacy



## Original Color

55.1517, 0.4025, 0.4383

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.8879, 0.3457, 0.3727

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1517, 0.4025, 0.4383 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(217, 196, 100)` looks like.

```
.text, #text, p{  
    color:rgb(217, 196, 100)  
}
```

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(217, 196, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 196, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1517, 0.4025, 0.4383 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(217, 196, 100) }
```

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

```
.border{ border-color:rgb(217, 196, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 196, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 196, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 196, 100);  
box-shadow:4px 4px 4px 4px rgb(217, 196,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1517, 0.4025, 0.4383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 196, 100) }
```

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

```
.background{ background-color: rgb(217,  
196, 100) }
```

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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