

# Converting Colors

$Yxy(53.6639, 0.3982, 0.4447)$

Have a look what the booklet for  
Yxy(53.6639, 0.3982, 0.4447)  
contains.

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# Color

**Yxy(53.8797, 0.3980, 0.4455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1C460
RGB	209, 196, 96
RGB Percent	82%, 77%, 38%
CMY	0.1806, 0.2313, 0.6235
CMYK	0.00, 0.06, 0.54, 0.18
HSL	53°, 55%, 60%
HSV	53°, 54%, 82%
XYZ	48.1350, 53.8797, 18.9274
YIQ	188.4870, 39.8480, -28.3440

# Conversions

## Conversions Part 2

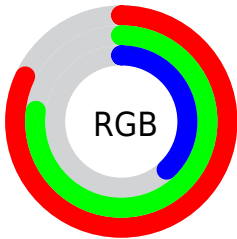
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 209, 96
Decimal	13747296
CIELab	78.39, -8.32, 51.12
CIELCh	78, 51.796, 99.238
Yxy	53.8797, 0.3980, 0.4455
Android (android.graphics.Color)	4291937376 (0xFFD1C460)
YUV	188.4870, -45.5961, 17.9899
Hunter-Lab	73.4028, -11.4009, 36.0936

# Details

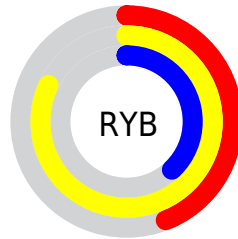
The Yxy color **53.8797, 0.3980, 0.4455** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.0084, 0.2127, 0.1758**, and the grayscale version is **50.8264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0507, 0.3761, 0.4295**, and **26.5022, 0.4147, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **52.4767, 0.4117, 0.4620**, and if you desaturate by 10%, it is **55.4072, 0.3827, 0.4261**.

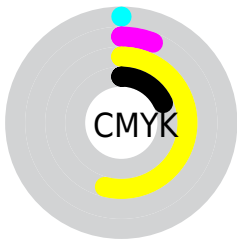
# Distribution



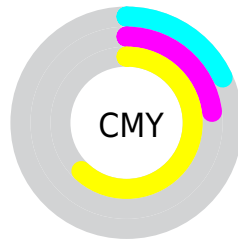
- Red (82%)
- Green (77%)
- Blue (38%)



- Red (44%)
- Yellow (82%)
- Blue (38%)



- Cyan (0%)
- Magenta (6%)
- Yellow (54%)
- Black (18%)




- Cyan (18%)
- Magenta (23%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8797, 0.3980, 0.4455 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 53.8797, 0.3980, 0.4455 by changing the saturation by 10% instead.





 53.8797, 0.3980,  
0.4455


 53.8797, 0.3980,  
0.4455


401.6511, 0.3591,  
0.3899

 38.5055, 0.4060,  
0.4579


 95.8976, 0.3850,  
0.4263

 26.3752, 0.4153,  
0.4728


 123.3101, 0.3798,  
0.4188

 17.1046, 0.4256,  
0.4905


 155.5041, 0.3752,  
0.4123

 10.3091, 0.4362,  
0.5114

 192.8640, 0.3712,  
0.4066

 5.6044, 0.4541,  
0.5459

235.7743, 0.3677,  
0.4017

 2.6060, 0.4442,  
0.5558

284.6193, 0.3645,

 0.9297, 0.4224,

0.3973

0.5776

339.7835, 0.3617,  
0.3934

0.0000, 0.0000,  
0.0000

53.8797, 0.3980,  
0.4455

53.8797, 0.3980,  
0.4455

52.4767, 0.4117,  
0.4620

55.4072, 0.3827,  
0.4261

51.1823, 0.4233,  
0.4748

57.0591, 0.3666,  
0.4047

49.9893, 0.4323,  
0.4831

58.8447, 0.3502,  
0.3823

48.8860, 0.4384,  
0.4871

60.7703, 0.3342,  
0.3597

48.2607, 0.4412,  
0.4879

62.8416, 0.3187,  
0.3377

■ 65.0642, 0.3042,  
0.3166

■ 67.4432, 0.2908,  
0.2968

■ 69.4469, 0.2832,  
0.2864

■ 70.6749, 0.2833,  
0.2890

# Harmonies

## Analogous

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



53.8797, 0.4407, 0.4061



53.8797, 0.3980, 0.4455



53.8797, 0.3351, 0.4536

# Triad

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



53.8797, 0.3980, 0.4455



53.8797, 0.1942, 0.2790



53.8797, 0.3475, 0.2609

# Complementary

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



53.8797, 0.3980, 0.4455



18.0084, 0.2127, 0.1758

# 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.



53.8797, 0.2783, 0.2321



53.8797, 0.3980, 0.4455



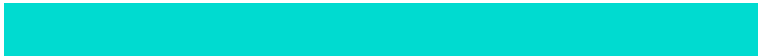
53.8797, 0.1967, 0.2377

# Square

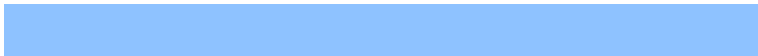
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.8797, 0.3980, 0.4455



53.8797, 0.2191, 0.3449



53.8797, 0.2254, 0.2232



53.8797, 0.4126, 0.3043



# Rectangle

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



53.8797, 0.3980, 0.4455



53.8797, 0.2906, 0.4328



53.8797, 0.2254, 0.2232



53.8797, 0.3237, 0.2494

# Sweetspot

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



53.8822, 0.3980, 0.4455



94.7021, 0.3375, 0.3645



23.0208, 0.4524, 0.3134



20.1336, 0.3409, 0.3692



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.



53.8822, 0.3980, 0.4455



81.9938, 0.4138, 0.4645



54.4899, 0.3542, 0.4759



13.5569, 0.3269, 0.3494



29.8648, 0.4408, 0.4882



1.7370, 0.4363, 0.4917



# Inverse Universe

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



18.0084, 0.2127, 0.1758



20.1278, 0.1905, 0.1391



18.4803, 0.2458, 0.1722



11.6324, 0.2982, 0.3077



3.3130, 0.1525, 0.0689

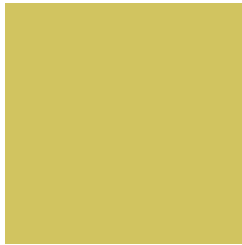


0.2601, 0.1590, 0.0924



# Previews

## White Background



This preview shows how the Yxy color 53.8797, 0.3980, 0.4455 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 53.8797, 0.3980, 0.4455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

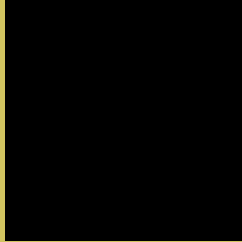
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.8797, 0.3980, 0.4455**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8797, 0.3980, 0.4455.



This preview shows how white text looks on a background with the Yxy color 53.8797, 0.3980, 0.4455.

# 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

53.8797, 0.3980, 0.4455

### Protanopia

53.8569, 0.4052, 0.4420

### Deuteranopia

53.7759, 0.4288, 0.4204



## Tritanopia

53.8815, 0.3303, 0.3129

# Trichromacy



## Original Color

53.8797, 0.3980, 0.4455

## Protanomaly

54.0026, 0.4028, 0.4438

## Deuteranomaly

53.6079, 0.4172, 0.4294

## Tritanomaly

53.4509, 0.3566, 0.3614

# Monochromacy



## Original Color

53.8797, 0.3980, 0.4455

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.3639, 0.3451, 0.3746

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8797, 0.3980, 0.4455 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(209, 196, 96)` looks like.

```
.text, #text, p{  
    color:rgb(209, 196, 96)  
}
```

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(209, 196, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 196, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8797, 0.3980, 0.4455 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(209, 196, 96) }
```

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

```
.border{ border-color:rgb(209, 196, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 196, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 196, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 196, 96);  
box-shadow:4px 4px 4px 4px rgb(209, 196,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8797, 0.3980, 0.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 196, 96) }
```

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

```
.background{ background-color: rgb(209,  
196, 96) }
```

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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