

Converting Colors

Yxy(55.8156, 0.4019, 0.4846)

Have a look what the booklet for
Yxy(55.8156, 0.4019, 0.4846)
contains.

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Color

Yxy(55.8240, 0.4021, 0.4847)

Conversions

Conversions Part 1

Format	Color
Hex	C8CC3F
RGB	200, 204, 63
RGB Percent	78%, 80%, 25%
CMY	0.2157, 0.2000, 0.7529
CMYK	0.02, 0.00, 0.69, 0.20
HSL	62°, 58%, 52%
HSV	62°, 69%, 80%
XYZ	46.3108, 55.8240, 13.0375
YIQ	186.7300, 42.8770, -44.6990

Conversions

Conversions Part 2

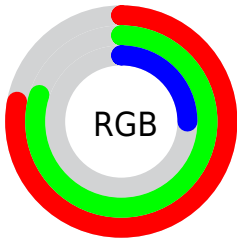
Format	Color
RYB	63, 204, 67
Decimal	13159487
CIELab	79.51, -18.25, 66.10
CIELCh	80, 68.575, 105.435
Yxy	55.8240, 0.4021, 0.4847
Android (android.graphics.Color)	4291349567 (0xFFC8CC3F)
YUV	186.7300, -60.9989, 11.6378
Hunter-Lab	74.7155, -20.1127, 41.9550

Details

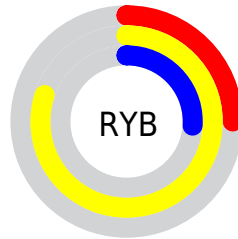
The Yxy color **55.8240, 0.4021, 0.4847** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **9.1094, 0.1824, 0.1108**, and the grayscale version is **49.8684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **27.6523, 0.4113, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **55.5597, 0.4086, 0.4969**, and if you desaturate by 10%, it is **56.1783, 0.3931, 0.4683**.

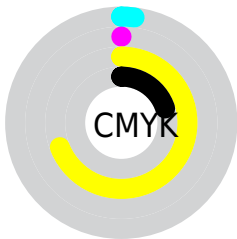
Distribution



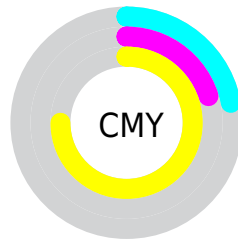
- Red (78%)
- Green (80%)
- Blue (25%)



- Red (25%)
- Yellow (80%)
- Blue (26%)



- Cyan (2%)
- Magenta (0%)
- Yellow (69%)
- Black (20%)



- Cyan (22%)
- Magenta (20%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8240, 0.4021, 0.4847 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 55.8240, 0.4021, 0.4847 by changing the saturation by 10% instead.

■ 55.8240, 0.4021,
0.4847

■ 55.8240, 0.4021,
0.4847

409.0279, 0.3649,
0.4114

■ 40.0618, 0.4083,
0.5003

■ 98.7472, 0.3908,
0.4599

■ 27.5868, 0.4143,
0.5183

■ 126.6770, 0.3859,
0.4500

■ 18.0144, 0.4192,
0.5389

■ 159.4315, 0.3814,
0.4414

■ 10.9603, 0.4252,
0.5675

■ 197.3951, 0.3774,
0.4339

■ 6.0402, 0.4149,
0.5851

■ 240.9521, 0.3738,
0.4272

■ 2.8695, 0.3937,
0.6063

290.4870, 0.3705,

■ 1.0640, 0.3430,

0.4214

0.6570

346.3841, 0.3676,
0.4161

■ 0.0000, 0.0000,
0.0000

■ 55.8240, 0.4021,
0.4847

■ 55.8240, 0.4021,
0.4847

■ 55.5597, 0.4086,
0.4969

■ 56.1783, 0.3931,
0.4683

■ 55.3676, 0.4125,
0.5048

■ 56.6231, 0.3818,
0.4484

■ 55.2339, 0.4143,
0.5089

■ 57.1685, 0.3689,
0.4258

■ 55.2230, 0.4144,
0.5092

■ 57.8210, 0.3549,
0.4014

■ 58.5867, 0.3403,
0.3763

■ 59.4712, 0.3257,
0.3512

■ 60.4797, 0.3115,
0.3269

■ 61.6172, 0.2979,
0.3037

■ 62.8883, 0.2851,
0.2821

Harmonies

Analogous

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



55.8240, 0.4660, 0.4335



55.8240, 0.4021, 0.4847



55.8240, 0.3195, 0.4910

Triad

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



55.8240, 0.4021, 0.4847



55.8240, 0.1625, 0.2482



55.8240, 0.3762, 0.2528

Complementary

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



55.8240, 0.4021, 0.4847



9.1094, 0.1824, 0.1108

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.



55.8240, 0.2843, 0.2137



55.8240, 0.4021, 0.4847



55.8240, 0.1726, 0.2065

Square

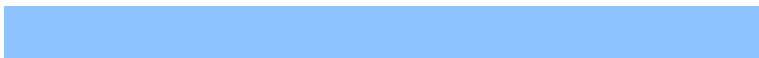
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.8240, 0.4021, 0.4847



55.8240, 0.1841, 0.3274



55.8240, 0.2131, 0.1969



55.8240, 0.4570, 0.3076

Rectangle

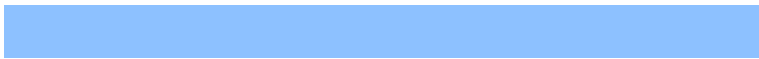
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.8240, 0.4021, 0.4847



55.8240, 0.2644, 0.4553



55.8240, 0.2131, 0.1969



55.8240, 0.3448, 0.2376

Sweetspot

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



55.8266, 0.4021, 0.4847



96.7314, 0.3435, 0.3817



17.0188, 0.5406, 0.3320



20.6269, 0.3476, 0.3888



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.



55.8266, 0.4021, 0.4847



91.8364, 0.4109, 0.5013



48.3843, 0.3441, 0.5224



13.0799, 0.3261, 0.3519



34.7639, 0.4144, 0.5091



1.7986, 0.4155, 0.5083

Inverse Universe

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



9.1094, 0.1824, 0.1108



9.6351, 0.1614, 0.0769



13.1380, 0.2416, 0.1392



10.8589, 0.2987, 0.3051



2.7743, 0.1510, 0.0605



0.1486, 0.1544, 0.0624

Previews

White Background



This preview shows how the Yxy color 55.8240, 0.4021, 0.4847 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 55.8240, 0.4021, 0.4847 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 55.8240, 0.4021, 0.4847

Background



This preview shows how black text looks on a background with the Yxy color 55.8240, 0.4021, 0.4847.



This preview shows how white text looks on a background with the Yxy color 55.8240, 0.4021, 0.4847.

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

55.8240, 0.4021, 0.4847

Protanopia

55.6416, 0.4263, 0.4685

Deuteranopia

55.5631, 0.4520, 0.4418



Tritanopia

55.8640, 0.3192, 0.3117

Trichromacy



Original Color

55.8240, 0.4021, 0.4847

Protanomaly

55.8025, 0.4167, 0.4749

Deuteranomaly

55.2032, 0.4337, 0.4570

Tritanomaly

55.2228, 0.3550, 0.3800

Monochromacy



Original Color

55.8240, 0.4021, 0.4847

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.2994, 0.3513, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8240, 0.4021, 0.4847 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(200, 204, 63)` looks like.

```
.text, #text, p{  
    color:rgb(200, 204, 63)  
}
```

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(200, 204, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 204, 63) }
```

Border

The CSS property to change the border of an element to Yxy 55.8240, 0.4021, 0.4847 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(200, 204, 63) }
```

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

```
.border{ border-color:rgb(200, 204, 63) }
```

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

Here you see how a box with a 4 pixel rgb(200, 204, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 204, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 204, 63);  
box-shadow:4px 4px 4px 4px rgb(200, 204,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8240, 0.4021, 0.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 204, 63) }
```

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

```
.background{ background-color: rgb(200,  
204, 63) }
```

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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