

Converting Colors

$Yxy(68.8186, 0.3922, 0.4827)$

Have a look what the booklet for
Yxy(68.8186, 0.3922, 0.4827)
contains.

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Color

Yxy(68.5757, 0.3923, 0.4820)

Conversions

Conversions Part 1

Format	Color
Hex	D5E150
RGB	213, 225, 80
RGB Percent	84%, 88%, 31%
CMY	0.1647, 0.1176, 0.6863
CMYK	0.05, 0.00, 0.64, 0.12
HSL	65°, 71%, 60%
HSV	65°, 64%, 88%
XYZ	55.8138, 68.5757, 17.8837
YIQ	204.8820, 39.3930, -47.6390

Conversions

Conversions Part 2

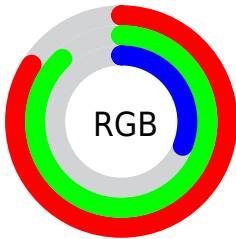
Format	Color
RYB	80, 225, 92
Decimal	14016848
CIELab	86.29, -22.22, 66.84
CIELCh	86, 70.435, 108.388
Yxy	68.5757, 0.3923, 0.4820
Android (android.graphics.Color)	4292206928 (0xFFD5E150)
YUV	204.8820, -61.5668, 7.1195
Hunter-Lab	82.8104, -24.6103, 45.1630

Details

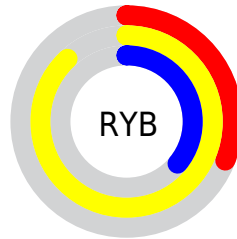
The Yxy color **68.5757, 0.3923, 0.4820** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.4500, 0.1950, 0.1256**, and the grayscale version is **61.3535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **35.7446, 0.4024, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **68.0231, 0.3990, 0.4973**, and if you desaturate by 10%, it is **69.2491, 0.3832, 0.4628**.

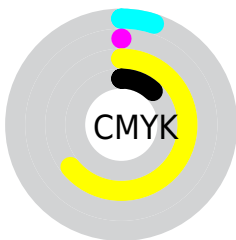
Distribution



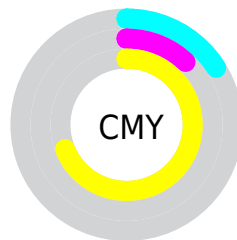
- Red (84%)
- Green (88%)
- Blue (31%)



- Red (31%)
- Yellow (88%)
- Blue (36%)



- Cyan (5%)
- Magenta (0%)
- Yellow (64%)
- Black (12%)




- Cyan (16%)
- Magenta (12%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5757, 0.3923, 0.4820 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 68.5757, 0.3923, 0.4820 by changing the saturation by 10% instead.


 68.5757, 0.3923,
0.4820

 68.5757, 0.3923,
0.4820


455.5331, 0.3605,
0.4115


 50.3662, 0.3975,
0.4969


 117.1753, 0.3828,
0.4583

 35.7045, 0.4027,
0.5144


 148.3343, 0.3786,
0.4488


 24.2061, 0.4071,
0.5348


 184.5786, 0.3748,
0.4405

 15.4865, 0.4093,
0.5580

 226.2925, 0.3714,
0.4332

 9.1616, 0.4104,
0.5896

 273.8605, 0.3682,
0.4268

 4.8467, 0.3916,
0.6084

327.6671, 0.3654,

 2.1576, 0.3607,

0.4211

0.6393

388.0964, 0.3628,
0.4161

0.6967, 0.1467,
0.8533

0.0000, 0.0000,
0.0000

68.5757, 0.3923,
0.4820

68.5757, 0.3923,
0.4820

68.0231, 0.3990,
0.4973

69.2491, 0.3832,
0.4628

67.5702, 0.4031,
0.5081

70.0440, 0.3721,
0.4405

67.2060, 0.4046,
0.5146

70.9723, 0.3595,
0.4161

67.0292, 0.4047,
0.5169

72.0422, 0.3461,
0.3906

■ 73.2610, 0.3323,
0.3649

■ 74.6358, 0.3187,
0.3398

■ 76.1729, 0.3054,
0.3159

■ 77.5517, 0.2959,
0.2983

■ 77.8579, 0.2971,
0.2984

Harmonies

Analogous

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



68.5757, 0.4562, 0.4365



68.5757, 0.3923, 0.4820



68.5757, 0.3119, 0.4806

Triad

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



68.5757, 0.3923, 0.4820



68.5757, 0.1671, 0.2461



68.5757, 0.3825, 0.2602

Complementary

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



68.5757, 0.3923, 0.4820



13.4500, 0.1950, 0.1256

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.



68.5757, 0.2938, 0.2203



68.5757, 0.3923, 0.4820



68.5757, 0.1798, 0.2086

Square

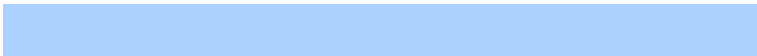
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5757, 0.3923, 0.4820



68.5757, 0.1852, 0.3190



68.5757, 0.2222, 0.2017



68.5757, 0.4567, 0.3146

Rectangle

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



68.5757, 0.3923, 0.4820



68.5757, 0.2594, 0.4420



68.5757, 0.2222, 0.2017



68.5757, 0.3526, 0.2449

Sweetspot

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



68.5788, 0.3923, 0.4820



96.5101, 0.3388, 0.3769



23.8444, 0.5142, 0.3394



20.5588, 0.3427, 0.3843



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.



68.5788, 0.3923, 0.4820



90.1382, 0.4005, 0.5011



60.2578, 0.3389, 0.5148



15.9688, 0.3254, 0.3522



38.6479, 0.4049, 0.5167



2.6961, 0.4073, 0.5148

Inverse Universe

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



13.4500, 0.1950, 0.1256



11.8042, 0.1730, 0.0908



18.8735, 0.2542, 0.1528



13.2973, 0.2993, 0.3048



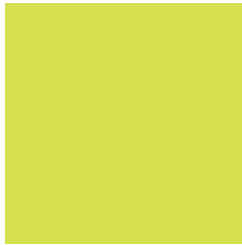
3.2306, 0.1528, 0.0615



0.2430, 0.1604, 0.0657

Previews

White Background



This preview shows how the Yxy color 68.5757, 0.3923, 0.4820 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 68.5757, 0.3923, 0.4820 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 68.5757, 0.3923, 0.4820

Background



This preview shows how black text looks on a background with the Yxy color 68.5757, 0.3923, 0.4820.



This preview shows how white text looks on a background with the Yxy color 68.5757, 0.3923, 0.4820.

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

68.5757, 0.3923, 0.4820

Protanopia

68.3626, 0.4212, 0.4629

Deuteranopia

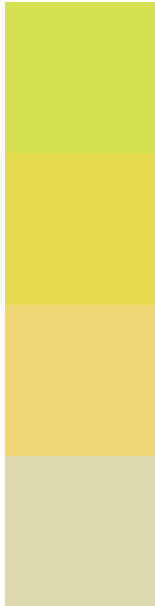
68.2067, 0.4018, 0.4008



Tritanopia

68.4655, 0.3135, 0.3118

Trichromacy



Original Color

68.5757, 0.3923, 0.4820

Protanomaly

68.2165, 0.4108, 0.4694

Deuteranomaly

67.9028, 0.4007, 0.4306

Tritanomaly

67.6973, 0.3465, 0.3764

Monochromacy



Original Color

68.5757, 0.3923, 0.4820

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

63.0349, 0.3463, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5757, 0.3923, 0.4820 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(213, 225, 80)` looks like.

```
.text, #text, p{  
    color:rgb(213, 225, 80)  
}
```

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(213, 225, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 225, 80) }
```

Border

The CSS property to change the border of an element to Yxy 68.5757, 0.3923, 0.4820 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(213, 225, 80) }
```

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

```
.border{ border-color:rgb(213, 225, 80) }
```

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

Here you see how a box with a 4 pixel rgb(213, 225, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 225, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 225, 80);  
box-shadow:4px 4px 4px 4px rgb(213, 225,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5757, 0.3923, 0.4820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 225, 80) }
```

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

```
.background{ background-color: rgb(213,  
225, 80) }
```

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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