

Converting Colors

$Yxy(64.3453, 0.3947, 0.4765)$

Have a look what the booklet for
Yxy(64.3453, 0.3947, 0.4765)
contains.

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Color

Yxy(64.5858, 0.3944, 0.4769)

Conversions

Conversions Part 1

Format	Color
Hex	D3DA51
RGB	211, 218, 81
RGB Percent	83%, 85%, 32%
CMY	0.1727, 0.1450, 0.6825
CMYK	0.03, 0.00, 0.63, 0.15
HSL	63°, 65%, 59%
HSV	63°, 63%, 85%
XYZ	53.4130, 64.5858, 17.4296
YIQ	200.2890, 39.8050, -44.0910

Conversions

Conversions Part 2

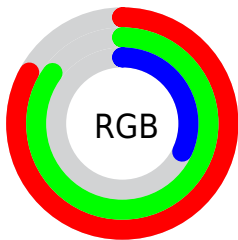
Format	Color
RYB	81, 218, 88
Decimal	13883985
CIELab	84.27, -19.59, 64.28
CIELCh	84, 67.203, 106.946
Yxy	64.5858, 0.3944, 0.4769
Android (android.graphics.Color)	4292074065 (0xFFD3DA51)
YUV	200.2890, -58.8095, 9.3935
Hunter-Lab	80.3653, -22.0033, 43.3969

Details

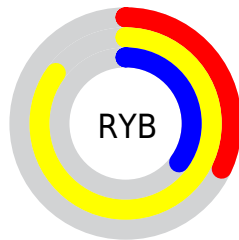
The Yxy color **64.5858, 0.3944, 0.4769** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.0194, 0.1953, 0.1296**, and the grayscale version is **58.2949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **33.0072, 0.4061, 0.5089** is the 20% darker color. If you saturate the color by 10%, you get **64.1477, 0.4021, 0.4922**, and if you desaturate by 10%, it is **65.1360, 0.3844, 0.4578**.

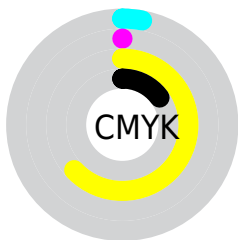
Distribution



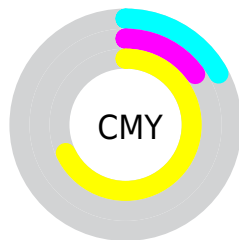
- Red (83%)
- Green (85%)
- Blue (32%)



- Red (32%)
- Yellow (85%)
- Blue (35%)



- Cyan (3%)
- Magenta (0%)
- Yellow (63%)
- Black (15%)




- Cyan (17%)
- Magenta (15%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5858, 0.3944, 0.4769 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 64.5858, 0.3944, 0.4769 by changing the saturation by 10% instead.


 64.5858, 0.3944,
0.4769

 64.5858, 0.3944,
0.4769


441.3020, 0.3608,
0.4082

 47.1253, 0.4002,
0.4916

 111.4542, 0.3841,
0.4536


 33.1347, 0.4061,
0.5089


 141.6308, 0.3797,
0.4444


 22.2297, 0.4114,
0.5290


 176.8149, 0.3757,
0.4363

 14.0258, 0.4148,
0.5521

 217.3910, 0.3721,
0.4293

 8.1386, 0.4170,
0.5830

 263.7433, 0.3688,
0.4230

 4.1838, 0.3989,
0.6011

316.2563, 0.3659,

 1.7769, 0.3685,

0.4175

0.6315

375.3144, 0.3632,
0.4126

0.4727, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.5858, 0.3944,
0.4769

64.5858, 0.3944,
0.4769

64.1477, 0.4021,
0.4922

65.1360, 0.3844,
0.4578

63.8022, 0.4072,
0.5031


65.7984, 0.3724,
0.4356


63.5397, 0.4097,
0.5097


66.5841, 0.3591,
0.4114


63.3881, 0.4103,
0.5124


67.5005, 0.3451,
0.3862

 68.5543, 0.3308,
0.3607

 69.7519, 0.3167,
0.3359

 71.0992, 0.3031,
0.3122

 72.5768, 0.2905,
0.2903

 72.7523, 0.2912,
0.2904

Harmonies

Analogous

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



64.5858, 0.4553, 0.4319



64.5858, 0.3944, 0.4769



64.5858, 0.3162, 0.4777

Triad

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



64.5858, 0.3944, 0.4769



64.5858, 0.1704, 0.2510



64.5858, 0.3767, 0.2596

Complementary

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



64.5858, 0.3944, 0.4769



13.0194, 0.1953, 0.1296

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.



64.5858, 0.2905, 0.2213



64.5858, 0.3944, 0.4769



64.5858, 0.1814, 0.2124

Square

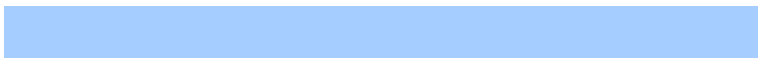
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5858, 0.3944, 0.4769



64.5858, 0.1898, 0.3238



64.5858, 0.2217, 0.2042



64.5858, 0.4503, 0.3125

Rectangle

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



64.5858, 0.3944, 0.4769



64.5858, 0.2645, 0.4422



64.5858, 0.2217, 0.2042



64.5858, 0.3475, 0.2448

Sweetspot

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



64.5888, 0.3944, 0.4769



96.7935, 0.3398, 0.3768



22.4523, 0.5082, 0.3368



20.6284, 0.3439, 0.3841



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.



64.5888, 0.3944, 0.4769



91.3294, 0.4038, 0.4957



56.5524, 0.3405, 0.5091



15.2280, 0.3259, 0.3522



37.9847, 0.4104, 0.5123



2.4715, 0.4120, 0.5111

Inverse Universe

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



13.0194, 0.1953, 0.1296



12.2981, 0.1733, 0.0941



18.0462, 0.2539, 0.1560



12.6490, 0.2989, 0.3049



3.0902, 0.1517, 0.0609



0.2117, 0.1568, 0.0638

Previews

White Background



This preview shows how the Yxy color 64.5858, 0.3944, 0.4769 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 64.5858, 0.3944, 0.4769 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 64.5858, 0.3944, 0.4769

Background



This preview shows how black text looks on a background with the Yxy color 64.5858, 0.3944, 0.4769.

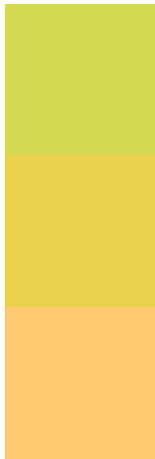


This preview shows how white text looks on a background with the Yxy color 64.5858, 0.3944, 0.4769.

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

64.5858, 0.3944, 0.4769

Protanopia

64.1501, 0.4193, 0.4607

Deuteranopia

64.2255, 0.4230, 0.4173



Tritanopia

64.2003, 0.3166, 0.3115

Trichromacy



Original Color

64.5858, 0.3944, 0.4769

Protanomaly

64.3364, 0.4103, 0.4663

Deuteranomaly

63.9160, 0.4137, 0.4388

Tritanomaly

63.5256, 0.3494, 0.3750

Monochromacy



Original Color

64.5858, 0.3944, 0.4769

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.8973, 0.3464, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5858, 0.3944, 0.4769 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(211, 218, 81)` looks like.

```
.text, #text, p{  
    color:rgb(211, 218, 81)  
}
```

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(211, 218, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 218, 81) }
```

Border

The CSS property to change the border of an element to Yxy 64.5858, 0.3944, 0.4769 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(211, 218, 81) }
```

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

```
.border{ border-color:rgb(211, 218, 81) }
```

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

Here you see how a box with a 4 pixel rgb(211, 218, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 218, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 218, 81);  
box-shadow:4px 4px 4px 4px rgb(211, 218,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5858, 0.3944, 0.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 218, 81) }
```

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

```
.background{ background-color: rgb(211,  
218, 81) }
```

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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