

Converting Colors

$Yxy(57.8476, 0.4230, 0.4813)$

Have a look what the booklet for
Yxy(57.8476, 0.4230, 0.4813)
contains.

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Color

Yxy(57.8476, 0.4230, 0.4813)

Conversions

Conversions Part 1

Format	Color
Hex	DACB32
RGB	218, 203, 50
RGB Percent	85%, 80%, 20%
CMY	0.1452, 0.2039, 0.8039
CMYK	0.00, 0.07, 0.77, 0.15
HSL	55°, 69%, 53%
HSV	55°, 77%, 85%
XYZ	50.8405, 57.8476, 11.5022
YIQ	190.0430, 58.0530, -44.4030

Conversions

Conversions Part 2

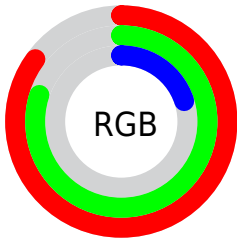
Format	Color
R_{YB}	66, 218, 50
Decimal	14338866
CIE _{Lab}	80.65, -10.74, 72.10
CIE _{LCh}	81, 72.895, 98.469
Yxy	57.8476, 0.4230, 0.4813
Android (android.graphics.Color)	4292528946 (0xFFDACB32)
YUV	190.0430, -69.0412, 24.5183
Hunter-Lab	76.0576, -13.7830, 44.2739

Details

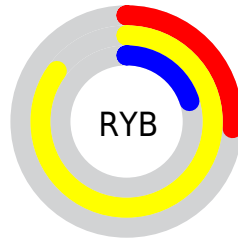
The Yxy color **57.8476, 0.4230, 0.4813** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **9.5148, 0.1711, 0.1027**, and the grayscale version is **51.8989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **28.8658, 0.4306, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **56.7932, 0.4303, 0.4885**, and if you desaturate by 10%, it is **59.0084, 0.4130, 0.4696**.

Distribution



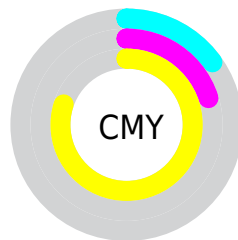
- Red (85%)
- Green (80%)
- Blue (20%)



- Red (26%)
- Yellow (85%)
- Blue (20%)



- Cyan (0%)
- Magenta (7%)
- Yellow (77%)
- Black (15%)




- Cyan (15%)
- Magenta (20%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8476, 0.4230, 0.4813 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 57.8476, 0.4230, 0.4813 by changing the saturation by 10% instead.

 57.8476, 0.4230,
0.4813


 57.8476, 0.4230,
0.4813


416.6178, 0.3770,
0.4129

 41.6861, 0.4308,
0.4946


 101.7009, 0.4090,
0.4591

 28.8556, 0.4385,
0.5094


 130.1615, 0.4029,
0.4499


 18.9716, 0.4453,
0.5252


 163.4907, 0.3974,
0.4418

 11.6498, 0.4537,
0.5463

 202.0727, 0.3924,
0.4347

 6.5057, 0.4464,
0.5536

 246.2920, 0.3880,
0.4283

 3.1549, 0.4349,
0.5651

296.5331, 0.3840,

 1.2131, 0.4146,

0.4226

0.5854

353.1802, 0.3803,
0.4175

■ 0.0724, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.8476, 0.4230,
0.4813

■ 57.8476, 0.4230,
0.4813

■ 56.7932, 0.4303,
0.4885

■ 59.0084, 0.4130,
0.4696

■ 55.8222, 0.4349,
0.4915

■ 60.2787, 0.4006,
0.4539

■ 55.5462, 0.4360,
0.4920

■ 61.6710, 0.3863,
0.4349

■ 63.1936, 0.3709,
0.4135

64.8542, 0.3549,
0.3908

66.6601, 0.3388,
0.3676

68.6176, 0.3233,
0.3447

70.7329, 0.3085,
0.3226

73.0117, 0.2946,
0.3017

Harmonies

Analogous

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



57.8476, 0.4828, 0.4215



57.8476, 0.4230, 0.4813



57.8476, 0.3394, 0.5045

Triad

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



57.8476, 0.4230, 0.4813



57.8476, 0.1586, 0.2596



57.8476, 0.3561, 0.2383

Complementary

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



57.8476, 0.4230, 0.4813



9.5148, 0.1711, 0.1027

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.



57.8476, 0.2628, 0.2028



57.8476, 0.4230, 0.4813



57.8476, 0.1619, 0.2079

Square

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



57.8476, 0.4230, 0.4813



57.8476, 0.1885, 0.3508



57.8476, 0.1962, 0.1913



57.8476, 0.4478, 0.2919

Rectangle

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



57.8476, 0.4230, 0.4813



57.8476, 0.2808, 0.4796



57.8476, 0.1962, 0.1913



57.8476, 0.3232, 0.2241

Sweetspot

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



57.8503, 0.4230, 0.4813



93.4926, 0.3486, 0.3819



17.5856, 0.5578, 0.3159



19.8152, 0.3545, 0.3903



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.



57.8503, 0.4230, 0.4813



80.2134, 0.4332, 0.4907



56.9212, 0.3577, 0.5306



15.0551, 0.3269, 0.3501



33.3668, 0.4358, 0.4922



2.2210, 0.4328, 0.4946

Inverse Universe

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



9.5148, 0.1711, 0.1027



8.9798, 0.1551, 0.0727



11.1364, 0.2123, 0.1118



12.8027, 0.2981, 0.3070



3.3871, 0.1517, 0.0662



0.2852, 0.1565, 0.0834

Previews

White Background



This preview shows how the Yxy color 57.8476, 0.4230, 0.4813 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 57.8476, 0.4230, 0.4813 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 57.8476, 0.4230, 0.4813

Background



This preview shows how black text looks on a background with the Yxy color 57.8476, 0.4230, 0.4813.



This preview shows how white text looks on a background with the Yxy color 57.8476, 0.4230, 0.4813.

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

57.8476, 0.4230, 0.4813

Protanopia

58.0026, 0.4309, 0.4761

Deuteranopia

57.6217, 0.4592, 0.4491



Tritanopia

57.5778, 0.3350, 0.3124

Trichromacy



Original Color

57.8476, 0.4230, 0.4813

Protanomaly

57.9924, 0.4275, 0.4786

Deuteranomaly

57.6473, 0.4459, 0.4608

Tritanomaly

56.8904, 0.3760, 0.3820

Monochromacy



Original Color

57.8476, 0.4230, 0.4813

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.1737, 0.3600, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8476, 0.4230, 0.4813 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(218, 203, 50)` looks like.

```
.text, #text, p{  
    color:rgb(218, 203, 50)  
}
```

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(218, 203, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 203, 50) }
```

Border

The CSS property to change the border of an element to Yxy 57.8476, 0.4230, 0.4813 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(218, 203, 50) }
```

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

```
.border{ border-color:rgb(218, 203, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 203, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 203, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 203, 50);  
box-shadow:4px 4px 4px 4px rgb(218, 203,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8476, 0.4230, 0.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 203, 50) }
```

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

```
.background{ background-color: rgb(218,  
203, 50) }
```

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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