

Converting Colors

$Yxy(58.3482, 0.4083, 0.4538)$

Have a look what the booklet for
Yxy(58.3482, 0.4083, 0.4538)
contains.

Yxy(58.1613, 0.4085, 0.4535)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.1613, 0.4085, 0.4535)

Conversions

Conversions Part 1

Format	Color
Hex	DCCA58
RGB	220, 202, 88
RGB Percent	86%, 79%, 35%
CMY	0.1374, 0.2078, 0.6549
CMYK	0.00, 0.08, 0.60, 0.14
HSL	52°, 65%, 60%
HSV	52°, 60%, 86%
XYZ	52.3901, 58.1613, 17.6985
YIQ	194.3860, 47.3220, -31.6380

Conversions

Conversions Part 2

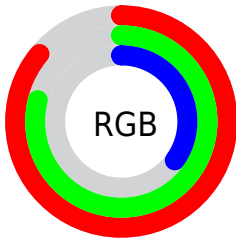
Format	Color
RYB	109, 220, 88
Decimal	14469720
CIELab	80.83, -7.40, 57.80
CIELCh	81, 58.268, 97.301
Yxy	58.1613, 0.4085, 0.4535
Android (android.graphics.Color)	4292659800 (0xFFDCCA58)
YUV	194.3860, -52.4483, 22.4635
Hunter-Lab	76.2636, -10.8388, 39.6251

Details

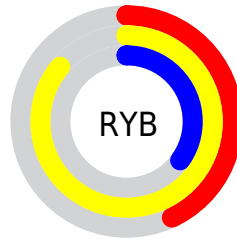
The Yxy color **58.1613, 0.4085, 0.4535** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **17.5401, 0.2017, 0.1601**, and the grayscale version is **54.4852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7330, 0.3788, 0.4382**, and **28.9710, 0.4265, 0.4796** is the 20% darker color. If you saturate the color by 10%, you get **56.4620, 0.4217, 0.4676**, and if you desaturate by 10%, it is **60.0032, 0.3934, 0.4360**.

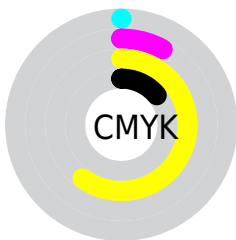
Distribution



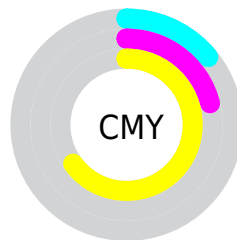
- Red (86%)
- Green (79%)
- Blue (35%)



- Red (43%)
- Yellow (86%)
- Blue (35%)



- Cyan (0%)
- Magenta (8%)
- Yellow (60%)
- Black (14%)





- Cyan (14%)
- Magenta (21%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1613, 0.4085, 0.4535 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 58.1613, 0.4085, 0.4535 by changing the saturation by 10% instead.


 58.1613, 0.4085,
0.4535

 58.1613, 0.4085,
0.4535


417.7867, 0.3660,
0.3959


 41.9383, 0.4169,
0.4657


 102.1577, 0.3946,
0.4340

 29.0530, 0.4263,
0.4800


 130.7000, 0.3889,
0.4263

 19.1209, 0.4365,
0.4966


 164.1174, 0.3839,
0.4195

 11.7577, 0.4464,
0.5150


 202.7945, 0.3795,
0.4136

 6.5789, 0.4594,
0.5406

247.1155, 0.3755,
0.4084

 3.2002, 0.4516,
0.5484

297.4650, 0.3720,

 1.2371, 0.4380,

0.4037

0.5620

354.2273, 0.3688,
0.3996

■ 0.0917, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1613, 0.4085,
0.4535

■ 58.1613, 0.4085,
0.4535

■ 56.4620, 0.4217,
0.4676

■ 60.0032, 0.3934,
0.4360

■ 54.8868, 0.4324,
0.4775


■ 61.9887, 0.3772,
0.4159


■ 53.4260, 0.4404,
0.4828

■ 64.1287, 0.3605,
0.3944


■ 52.0581, 0.4458,
0.4842

■ 66.4307, 0.3439,
0.3722


 52.0568, 0.4458,
0.4842

 68.9015, 0.3279,
0.3502

 71.5478, 0.3127,
0.3290

 74.3755, 0.2986,
0.3088

 76.7984, 0.2908,
0.2988

 78.4396, 0.2909,
0.3020

Harmonies

Analogous

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



58.1613, 0.4537, 0.4079



58.1613, 0.4085, 0.4535



58.1613, 0.3408, 0.4674

Triad

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



58.1613, 0.4085, 0.4535



58.1613, 0.1853, 0.2775



58.1613, 0.3454, 0.2527

Complementary

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



58.1613, 0.4085, 0.4535



17.5401, 0.2017, 0.1601

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.



58.1613, 0.2705, 0.2230



58.1613, 0.4085, 0.4535



58.1613, 0.1863, 0.2314

Square

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



58.1613, 0.4085, 0.4535



58.1613, 0.2134, 0.3511



58.1613, 0.2151, 0.2147



58.1613, 0.4183, 0.2983

Rectangle

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



58.1613, 0.4085, 0.4535



58.1613, 0.2923, 0.4474



58.1613, 0.2151, 0.2147



58.1613, 0.3193, 0.2407

Sweetspot

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



58.1640, 0.4085, 0.4535



93.4691, 0.3409, 0.3681



23.2697, 0.4715, 0.3074



19.7963, 0.3457, 0.3746



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.



58.1640, 0.4085, 0.4535



78.3275, 0.4247, 0.4706



60.8474, 0.3603, 0.4898



14.9460, 0.3270, 0.3490



30.6827, 0.4454, 0.4846



2.0730, 0.4405, 0.4884

Inverse Universe

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



17.5401, 0.2017, 0.1601



17.0092, 0.1798, 0.1228



17.2305, 0.2322, 0.1523



12.9014, 0.2981, 0.3082



3.6690, 0.1531, 0.0711



0.3320, 0.1597, 0.0949

Previews

White Background



This preview shows how the Yxy color 58.1613, 0.4085, 0.4535 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 58.1613, 0.4085, 0.4535 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 58.1613, 0.4085, 0.4535

Background



This preview shows how black text looks on a background with the Yxy color 58.1613, 0.4085, 0.4535.



This preview shows how white text looks on a background with the Yxy color 58.1613, 0.4085, 0.4535.

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

58.1613, 0.4085, 0.4535

Protanopia

58.1658, 0.4118, 0.4512

Deuteranopia

57.9734, 0.4382, 0.4289



Tritanopia

58.0577, 0.3340, 0.3124

Trichromacy



Original Color

58.1613, 0.4085, 0.4535

Protanomaly

58.0075, 0.4109, 0.4517

Deuteranomaly

57.9455, 0.4275, 0.4375

Tritanomaly

57.3610, 0.3647, 0.3659

Monochromacy



Original Color

58.1613, 0.4085, 0.4535

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.9956, 0.3496, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1613, 0.4085, 0.4535 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(220, 202, 88)` looks like.

```
.text, #text, p{  
    color:rgb(220, 202, 88)  
}
```

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(220, 202, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 202, 88) }
```

Border

The CSS property to change the border of an element to Yxy 58.1613, 0.4085, 0.4535 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(220, 202, 88) }
```

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

```
.border{ border-color:rgb(220, 202, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 202, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 202, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 202, 88);  
box-shadow:4px 4px 4px 4px rgb(220, 202,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1613, 0.4085, 0.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 202, 88) }
```

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

```
.background{ background-color: rgb(220,  
202, 88) }
```

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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