

Converting Colors

$Y_{xy}(57.9213, 0.4397, 0.5071)$

Have a look what the booklet for
Yxy(57.9213, 0.4397, 0.5071)
contains.

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Color

Yxy(58.2458, 0.4320, 0.4952)

Conversions

Conversions Part 1

Format	Color
Hex	DBCC00
RGB	219, 204, 0
RGB Percent	86%, 80%, 0%
CMY	0.1411, 0.2000, 1.0000
CMYK	0.00, 0.07, 1.00, 0.14
HSL	56°, 100%, 43%
HSV	56°, 100%, 86%
XYZ	50.8122, 58.2458, 8.5628
YIQ	185.2290, 74.4240, -60.2640

Conversions

Conversions Part 2

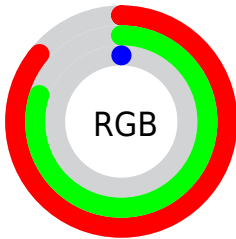
Format	Color
RYB	16, 219, 0
Decimal	14404608
CIELab	80.88, -11.76, 81.34
CIELCh	81, 82.186, 98.230
Yxy	58.2458, 0.4320, 0.4952
Android (android.graphics.Color)	4292594688 (0xFFDBCC00)
YUV	185.2290, -91.3179, 29.6172
Hunter-Lab	76.3189, -14.7151, 46.7711

Details

The Yxy color **58.2458, 0.4320, 0.4952** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **5.4584, 0.1510, 0.0636**, and the grayscale version is **49.1412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4359, 0.4042, 0.4802**, and **29.1836, 0.4294, 0.4972** is the 20% darker color. If you saturate the color by 10%, you get **58.2486, 0.4320, 0.4952**, and if you desaturate by 10%, it is **59.0241, 0.4284, 0.4928**.

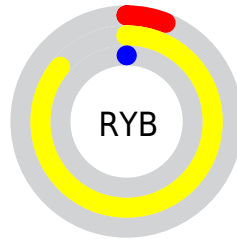
Distribution



Red (86%)

Green (80%)

Blue (0%)



Red (6%)

Yellow (86%)

Blue (0%)

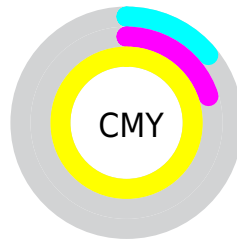


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2458, 0.4320, 0.4952 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 58.2458, 0.4320, 0.4952 by changing the saturation by 10% instead.


 58.2458, 0.4320,
0.4952

 58.2458, 0.4320,
0.4952


418.1012, 0.3847,
0.4230


 42.0063, 0.4390,
0.5082

 102.2807, 0.4184,
0.4725


 29.1062, 0.4452,
0.5220


 130.8449, 0.4122,
0.4629

 19.1612, 0.4505,
0.5370


 164.2861, 0.4065,
0.4543


 11.7868, 0.4506,
0.5494

 202.9887, 0.4013,
0.4466

 6.5987, 0.4426,
0.5574

 247.3372, 0.3965,
0.4397

 3.2124, 0.4301,
0.5699

 297.7158, 0.3922,

 1.2436, 0.4080,

0.4336

0.5920

354.5090, 0.3883,
0.4280

■ 0.0969, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2458, 0.4320,
0.4952

■ 58.2458, 0.4320,
0.4952

■ 58.2486, 0.4320,
0.4952

■ 59.0241, 0.4284,
0.4928

■ 59.8718, 0.4225,
0.4866

■ 60.8131, 0.4139,
0.4760

■ 61.8600, 0.4027,
0.4612

■ 63.0228, 0.3895,
0.4429

■ 64.3102, 0.3748,
0.4218

■ 65.7304, 0.3592,
0.3990

■ 67.2905, 0.3433,
0.3754

■ 68.9973, 0.3277,
0.3519

Harmonies

Analogous

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



58.2458, 0.5000, 0.4258



58.2458, 0.4320, 0.4952



58.2458, 0.3397, 0.5277

Triad

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



58.2458, 0.4320, 0.4952



58.2458, 0.1439, 0.2505



58.2458, 0.3596, 0.2287

Complementary

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



58.2458, 0.4320, 0.4952



5.4584, 0.1510, 0.0636

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.



58.2458, 0.2559, 0.1907



58.2458, 0.4320, 0.4952



58.2458, 0.1477, 0.1951

Square

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



58.2458, 0.4320, 0.4952



58.2458, 0.1752, 0.3531



58.2458, 0.1841, 0.1782



58.2458, 0.4637, 0.2861

Rectangle

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



58.2458, 0.4320, 0.4952



58.2458, 0.2755, 0.5021



58.2458, 0.1841, 0.1782



58.2458, 0.3227, 0.2134

Sweetspot

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



58.2486, 0.4320, 0.4952



92.7108, 0.3596, 0.3996



15.1087, 0.6322, 0.3257



19.6569, 0.3663, 0.4094



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.



58.2486, 0.4320, 0.4952



82.1195, 0.4321, 0.4951



55.2480, 0.3479, 0.5620



15.1029, 0.3269, 0.3506



34.5953, 0.4318, 0.4954



2.2882, 0.4295, 0.4971

Inverse Universe

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



5.4584, 0.1510, 0.0636



7.6365, 0.1509, 0.0631



7.3533, 0.1861, 0.0799



12.7599, 0.2981, 0.3065



3.2931, 0.1513, 0.0646



0.2648, 0.1551, 0.0782

Previews

White Background



This preview shows how the Yxy color 58.2458, 0.4320, 0.4952 looks on a white background.

Color Contrast Check

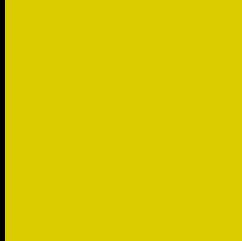
Large Text (above 18pt) WCAG AA × Fail

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 58.2458, 0.4320, 0.4952 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 58.2458, 0.4320, 0.4952

Background



This preview shows how black text looks on a background with the Yxy color 58.2458, 0.4320, 0.4952.



This preview shows how white text looks on a background with the Yxy color 58.2458, 0.4320, 0.4952.

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

58.2458, 0.4320, 0.4952

Protanopia

58.1042, 0.4413, 0.4878

Deuteranopia

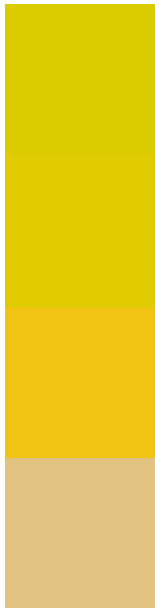
57.9816, 0.4698, 0.4579



Tritanopia

58.1755, 0.3356, 0.3136

Trichromacy



Original Color

58.2458, 0.4320, 0.4952

Protanomaly

58.0884, 0.4379, 0.4905

Deuteranomaly

57.7747, 0.4565, 0.4718

Tritanomaly

56.9728, 0.3905, 0.4029

Monochromacy



Original Color

58.2458, 0.4320, 0.4952

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.8776, 0.3743, 0.4219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2458, 0.4320, 0.4952 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(219, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 204, 0)  
}
```

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(219, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.2458, 0.4320, 0.4952 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(219, 204, 0) }
```

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

```
.border{ border-color:rgb(219, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2458, 0.4320, 0.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 204, 0) }
```

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

```
.background{ background-color: rgb(219,  
204, 0) }
```

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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