

Converting Colors

Yxy(56.6813, 0.4455, 0.5007)

Have a look what the booklet for
Yxy(56.6813, 0.4455, 0.5007)
contains.

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Color

Yxy(56.8381, 0.4381, 0.4904)

Conversions

Conversions Part 1

Format	Color
Hex	DEC800
RGB	222, 200, 0
RGB Percent	87%, 78%, 0%
CMY	0.1294, 0.2157, 1.0000
CMYK	0.00, 0.10, 1.00, 0.13
HSL	54°, 100%, 44%
HSV	54°, 100%, 87%
XYZ	50.7765, 56.8381, 8.2870
YIQ	183.7780, 77.3120, -57.5360

Conversions

Conversions Part 2

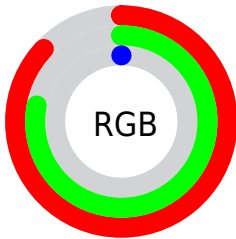
Format	Color
RYB	24, 222, 0
Decimal	14600192
CIELab	80.09, -8.47, 80.91
CIELCh	80, 81.355, 95.975
Yxy	56.8381, 0.4381, 0.4904
Android (android.graphics.Color)	4292790272 (0xFFDEC800)
YUV	183.7780, -90.6026, 33.5207
Hunter-Lab	75.3910, -11.7132, 46.2566

Details

The Yxy color **56.8381, 0.4381, 0.4904** 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 **5.8470, 0.1516, 0.0658**, and the grayscale version is **48.2834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4359, 0.4042, 0.4802**, and **28.5488, 0.4364, 0.4917** is the 20% darker color. If you saturate the color by 10%, you get **56.8414, 0.4381, 0.4904**, and if you desaturate by 10%, it is **57.9259, 0.4337, 0.4884**.

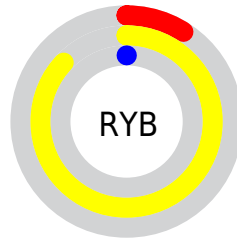
Distribution



Red (87%)

Green (78%)

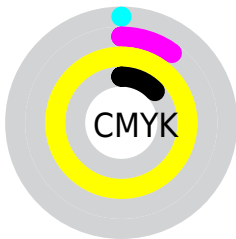
Blue (0%)



Red (9%)

Yellow (87%)

Blue (0%)

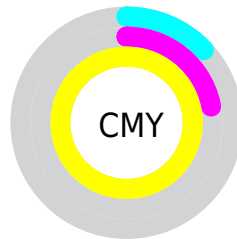


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8381, 0.4381, 0.4904 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 56.8381, 0.4381, 0.4904 by changing the saturation by 10% instead.


 56.8381, 0.4381,
0.4904

 56.8381, 0.4381,
0.4904


412.8424, 0.3875,
0.4209


 40.8753, 0.4458,
0.5027


 100.2289, 0.4233,
0.4688

 28.2216, 0.4530,
0.5155


 128.4257, 0.4167,
0.4595


 18.4928, 0.4597,
0.5294


 161.4692, 0.4106,
0.4512

 11.3044, 0.4606,
0.5394

 199.7440, 0.4051,
0.4438

 6.2719, 0.4548,
0.5452

 243.6342, 0.4000,
0.4372

 3.0111, 0.4455,
0.5545

 293.5245, 0.3954,

 1.1376, 0.4291,

0.4312

0.5709

349.7990, 0.3913,
0.4258

■ 0.0098, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8381, 0.4381,
0.4904

■ 56.8381, 0.4381,
0.4904

■ 56.8414, 0.4381,
0.4904

■ 57.9259, 0.4337,
0.4884

■ 59.0927, 0.4269,
0.4826

■ 60.3636, 0.4174,
0.4724

■ 61.7512, 0.4054,
0.4579

■ 63.2661, 0.3913,
0.4398

■ 64.9173, 0.3759,
0.4192

■ 66.7134, 0.3598,
0.3970

■ 68.6617, 0.3436,
0.3740

■ 70.7693, 0.3278,
0.3512

Harmonies

Analogous

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



56.8381, 0.5031, 0.4202



56.8381, 0.4381, 0.4904



56.8381, 0.3470, 0.5274

Triad

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



56.8381, 0.4381, 0.4904



56.8381, 0.1452, 0.2568



56.8381, 0.3512, 0.2252

Complementary

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



56.8381, 0.4381, 0.4904



5.8470, 0.1516, 0.0658

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.



56.8381, 0.2493, 0.1890



56.8381, 0.4381, 0.4904



56.8381, 0.1466, 0.1980

Square

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



56.8381, 0.4381, 0.4904



56.8381, 0.1794, 0.3624



56.8381, 0.1803, 0.1786



56.8381, 0.4568, 0.2814

Rectangle

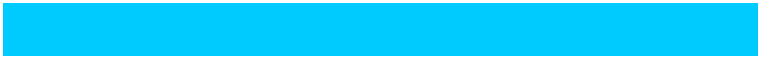
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.8381, 0.4381, 0.4904



56.8381, 0.2827, 0.5068



56.8381, 0.1803, 0.1786



56.8381, 0.3146, 0.2105

Sweetspot

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



56.8414, 0.4381, 0.4904



91.2751, 0.3602, 0.3975



15.5876, 0.6301, 0.3245



19.3081, 0.3671, 0.4071



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.



56.8414, 0.4381, 0.4904



77.7113, 0.4382, 0.4902



57.2428, 0.3504, 0.5600



15.7853, 0.3270, 0.3499



33.8569, 0.4378, 0.4906



2.4149, 0.4346, 0.4931

Inverse Universe

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



5.8470, 0.1516, 0.0658



7.9263, 0.1515, 0.0652



7.3876, 0.1833, 0.0783



13.4606, 0.2981, 0.3072



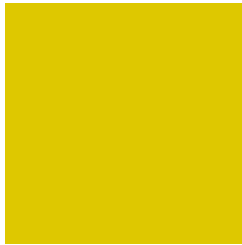
3.5469, 0.1520, 0.0671



0.3213, 0.1569, 0.0847

Previews

White Background



This preview shows how the Yxy color 56.8381, 0.4381, 0.4904 looks on a white background.

Color Contrast Check

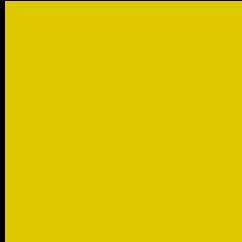
Large Text (above 18pt) WCAG AA × Fail

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 56.8381, 0.4381, 0.4904 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 56.8381, 0.4381, 0.4904

Background



This preview shows how black text looks on a background with the Yxy color 56.8381, 0.4381, 0.4904.



This preview shows how white text looks on a background with the Yxy color 56.8381, 0.4381, 0.4904.

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

56.8381, 0.4381, 0.4904

Protanopia

56.6941, 0.4407, 0.4883

Deuteranopia

56.5503, 0.4699, 0.4585



Tritanopia

56.7804, 0.3420, 0.3136

Trichromacy



Original Color

56.8381, 0.4381, 0.4904

Protanomaly

56.5348, 0.4398, 0.4890

Deuteranomaly

56.2650, 0.4587, 0.4703

Tritanomaly

55.6169, 0.3974, 0.4012

Monochromacy



Original Color

56.8381, 0.4381, 0.4904

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

50.1170, 0.3769, 0.4206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8381, 0.4381, 0.4904 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(222, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 200, 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(222, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 200, 0) }
```

Border

The CSS property to change the border of an element to Yxy 56.8381, 0.4381, 0.4904 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(222, 200, 0) }
```

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

```
.border{ border-color:rgb(222, 200, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 200, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 200,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8381, 0.4381, 0.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 200, 0) }
```

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

```
.background{ background-color: rgb(222,  
200, 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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