

Converting Colors

$Yxy(56.2756, 0.3761, 0.4251)$

Have a look what the booklet for
Yxy(56.2756, 0.3761, 0.4251)
contains.

Yxy(56.2756, 0.3761, 0.4251)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.2756, 0.3761, 0.4251)

Conversions

Conversions Part 1

Format	Color
Hex	CEC979
RGB	206, 201, 121
RGB Percent	81%, 79%, 47%
CMY	0.1922, 0.2117, 0.5256
CMYK	0.00, 0.02, 0.41, 0.19
HSL	56°, 46%, 64%
HSV	56°, 41%, 81%
XYZ	49.7889, 56.2756, 26.3175
YIQ	193.3750, 28.6600, -23.8200

Conversions

Conversions Part 2

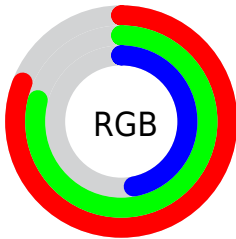
Format	Color
R _Y B	126, 206, 121
Decimal	13551993
CIE Lab	79.77, -9.75, 40.54
CIE LCh	80, 41.693, 103.517
Yxy	56.2756, 0.3761, 0.4251
Android (android.graphics.Color)	4291742073 (0xFFCEC979)
YUV	193.3750, -35.6809, 11.0721
Hunter-Lab	75.0171, -12.8093, 31.7118

Details

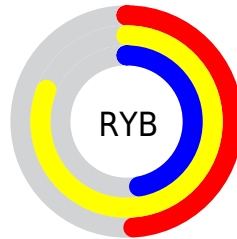
The Yxy color **56.2756, 0.3761, 0.4251** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.4299, 0.2376, 0.2103**, and the grayscale version is **53.7617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **27.7937, 0.3903, 0.4497** is the 20% darker color. If you saturate the color by 10%, you get **55.2647, 0.3904, 0.4460**, and if you desaturate by 10%, it is **57.4040, 0.3608, 0.4024**.

Distribution



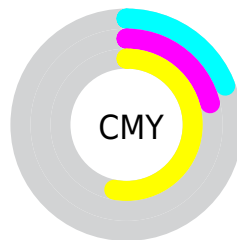
- Red (81%)
- Green (79%)
- Blue (47%)



- Red (49%)
- Yellow (81%)
- Blue (47%)



- Cyan (0%)
- Magenta (2%)
- Yellow (41%)
- Black (19%)



- Cyan (19%)
- Magenta (21%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2756, 0.3761, 0.4251 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 56.2756, 0.3761, 0.4251 by changing the saturation by 10% instead.


 56.2756, 0.3761,
0.4251

 56.2756, 0.3761,
0.4251


410.7293, 0.3468,
0.3785


 40.4239, 0.3825,
0.4360


 99.4074, 0.3661,
0.4087

 27.8692, 0.3900,
0.4494


 127.4564, 0.3622,
0.4024

 18.2271, 0.3990,
0.4663


 160.3398, 0.3588,
0.3969

 11.1132, 0.4095,
0.4878

198.4423, 0.3558,
0.3923

 6.1430, 0.4210,
0.5157

242.1480, 0.3531,
0.3882

 2.9322, 0.4386,
0.5614

291.8415, 0.3508,

 1.0965, 0.4188,

0.3846

0.5812

347.9072, 0.3487,
0.3814

0.0000, 0.0000,
0.0000

56.2756, 0.3761,
0.4251

56.2756, 0.3761,
0.4251

55.2647, 0.3904,
0.4460

57.4040, 0.3608,
0.4024

54.3565, 0.4032,
0.4641

58.6485, 0.3451,
0.3787

53.5460, 0.4138,
0.4785

60.0175, 0.3296,
0.3550


52.8243, 0.4218,
0.4887


61.5165, 0.3146,
0.3319


52.1808, 0.4271,
0.4945

63.1505, 0.3004,
0.3098

 51.6666, 0.4300,
0.4968

 64.9244, 0.2871,
0.2891

 66.1704, 0.2809,
0.2798

 66.7672, 0.2810,
0.2812

 67.3684, 0.2810,
0.2825

Harmonies

Analogous

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



56.2756, 0.4124, 0.3986



56.2756, 0.3761, 0.4251



56.2756, 0.3245, 0.4239

Triad

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



56.2756, 0.3761, 0.4251



56.2756, 0.2151, 0.2843



56.2756, 0.3490, 0.2782

Complementary

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



56.2756, 0.3761, 0.4251



23.4299, 0.2376, 0.2103

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.



56.2756, 0.2932, 0.2521



56.2756, 0.3761, 0.4251



56.2756, 0.2201, 0.2527

Square

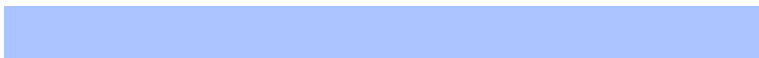
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.2756, 0.3761, 0.4251



56.2756, 0.2331, 0.3344



56.2756, 0.2472, 0.2425



56.2756, 0.3976, 0.3158

Rectangle

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



56.2756, 0.3761, 0.4251



56.2756, 0.2889, 0.4038



56.2756, 0.2472, 0.2425



56.2756, 0.3302, 0.2680

Sweetspot

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



56.2782, 0.3761, 0.4251



97.0439, 0.3309, 0.3571



28.3119, 0.4105, 0.3220



20.7066, 0.3330, 0.3602



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.



56.2782, 0.3761, 0.4251



89.6472, 0.3895, 0.4447



53.9716, 0.3431, 0.4418



12.9796, 0.3267, 0.3506



31.8670, 0.4298, 0.4969



1.6790, 0.4276, 0.4987

Inverse Universe

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



23.4299, 0.2376, 0.2103



29.0920, 0.2181, 0.1785



25.3743, 0.2692, 0.2132



10.9478, 0.2982, 0.3065



2.9550, 0.1512, 0.0641



0.1903, 0.1550, 0.0780

Previews

White Background



This preview shows how the Yxy color 56.2756, 0.3761, 0.4251 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 Xy color 56.2756, 0.3761, 0.4251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

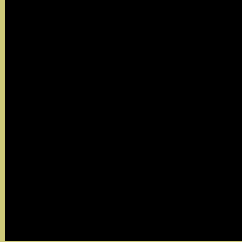
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2756, 0.3761, 0.4251

Background



This preview shows how black text looks on a background with the Yxy color 56.2756, 0.3761, 0.4251.



This preview shows how white text looks on a background with the Yxy color 56.2756, 0.3761, 0.4251.

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

56.2756, 0.3761, 0.4251

Protanopia

56.3432, 0.3869, 0.4200

Deuteranopia

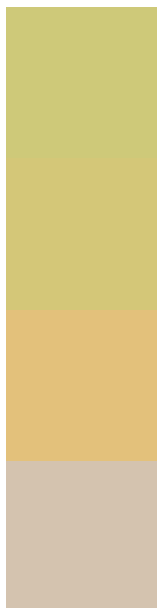
56.2012, 0.4087, 0.3999



Tritanopia

56.1649, 0.3208, 0.3118

Trichromacy



Original Color

56.2756, 0.3761, 0.4251

Protanomaly

56.2000, 0.3829, 0.4223

Deuteranomaly

55.9009, 0.3968, 0.4084

Tritanomaly

56.1224, 0.3421, 0.3529

Monochromacy



Original Color

56.2756, 0.3761, 0.4251

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.2756, 0.3363, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2756, 0.3761, 0.4251 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(206, 201, 121)` looks like.

```
.text, #text, p{  
    color:rgb(206, 201, 121)  
}
```

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(206, 201, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 201, 121) }
```

Border

The CSS property to change the border of an element to Yxy 56.2756, 0.3761, 0.4251 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(206, 201, 121) }
```

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

```
.border{ border-color:rgb(206, 201, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 201, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 201, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 201, 121); box-shadow:4px 4px 4px 4px rgb(206, 201, 121) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2756, 0.3761, 0.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 201, 121) }
```

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

```
.background{ background-color: rgb(206,  
201, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor