

Converting Colors

$Y_{xy}(56.2572, 0.3529, 0.4255)$

Have a look what the booklet for
Yxy(56.2572, 0.3529, 0.4255)
contains.

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Color

Yxy(56.4190, 0.3533, 0.4262)

Conversions

Conversions Part 1

Format	Color
Hex	BCCE81
RGB	188, 206, 129
RGB Percent	74%, 81%, 51%
CMY	0.2628, 0.1921, 0.4942
CMYK	0.09, 0.00, 0.37, 0.19
HSL	74°, 44%, 66%
HSV	74°, 37%, 81%
XYZ	46.7687, 56.4190, 29.1891
YIQ	191.8400, 13.9890, -27.7630

Conversions

Conversions Part 2

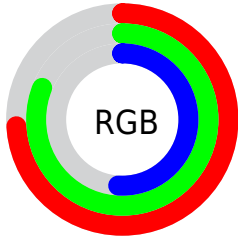
Format	Color
RYB	129, 206, 147
Decimal	12373633
CIELab	79.85, -18.42, 36.30
CIElCh	80, 40.707, 116.898
Yxy	56.4190, 0.3533, 0.4262
Android (android.graphics.Color)	4290563713 (0xFFBCCE81)
YUV	191.8400, -30.9801, -3.3677
Hunter-Lab	75.1126, -20.3043, 29.5384

Details

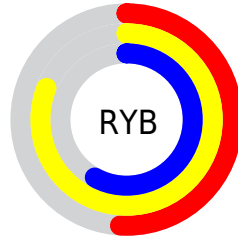
The Yxy color **56.4190, 0.3533, 0.4262** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.3589, 0.2602, 0.2211**, and the grayscale version is **52.7911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3514, 0.3488, 0.4015**, and **28.0749, 0.3621, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **55.3256, 0.3627, 0.4523**, and if you desaturate by 10%, it is **57.6483, 0.3429, 0.3994**.

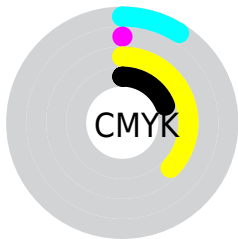
Distribution



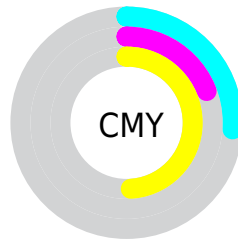
- Red (74%)
- Green (81%)
- Blue (51%)



- Red (51%)
- Yellow (81%)
- Blue (58%)



- Cyan (9%)
- Magenta (0%)
- Yellow (37%)
- Black (19%)





- Cyan (26%)
- Magenta (19%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4190, 0.3533, 0.4262 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 56.4190, 0.3533, 0.4262 by changing the saturation by 10% instead.


 56.4190, 0.3533,
0.4262


 56.4190, 0.3533,
0.4262


411.2686, 0.3351,
0.3780


 40.5390, 0.3571,
0.4379


 99.6169, 0.3472,
0.4089

 27.9590, 0.3615,
0.4526


 127.7036, 0.3448,
0.4023

 18.2948, 0.3666,
0.4717


 160.6280, 0.3426,
0.3967

 11.1618, 0.3721,
0.4970

198.7744, 0.3407,
0.3919

 6.1758, 0.3768,
0.5316

242.5273, 0.3391,
0.3878

 2.9523, 0.3938,
0.6062

292.2710, 0.3376,

 1.1069, 0.3466,

0.3841

0.6534

348.3900, 0.3363,
0.3809

0.0000, 0.0000,
0.0000

56.4190, 0.3533,
0.4262

56.4190, 0.3533,
0.4262

55.3256, 0.3627,
0.4523

57.6483, 0.3429,
0.3994

54.3538, 0.3705,
0.4765

59.0123, 0.3319,
0.3728

53.4984, 0.3763,
0.4978


60.5194, 0.3208,
0.3471


52.7508, 0.3796,
0.5151


62.1751, 0.3099,
0.3228


52.1011, 0.3804,
0.5279


63.9845, 0.2994,
0.3002


 51.5355, 0.3788,
0.5361

 65.9525, 0.2895,
0.2795

 51.3955, 0.3782,
0.5379

 66.8559, 0.2913,
0.2776

 67.6271, 0.2947,
0.2781

 68.4203, 0.2981,
0.2786

Harmonies

Analogous

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



56.4190, 0.3970, 0.4111



56.4190, 0.3533, 0.4262



56.4190, 0.3008, 0.4099

Triad

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



56.4190, 0.3533, 0.4262



56.4190, 0.2166, 0.2691



56.4190, 0.3713, 0.2948

Complementary

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



56.4190, 0.3533, 0.4262



26.3589, 0.2602, 0.2211

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.



56.4190, 0.3177, 0.2635



56.4190, 0.3533, 0.4262



56.4190, 0.2314, 0.2474

Square

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



56.4190, 0.3533, 0.4262



56.4190, 0.2243, 0.3109



56.4190, 0.2669, 0.2464



56.4190, 0.4096, 0.3347

Rectangle

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



56.4190, 0.3533, 0.4262



56.4190, 0.2682, 0.3819



56.4190, 0.2669, 0.2464



56.4190, 0.3542, 0.2831

Sweetspot

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



56.4215, 0.3533, 0.4262



97.0992, 0.3250, 0.3566



35.5631, 0.3948, 0.3523



20.7111, 0.3265, 0.3601



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.



56.4215, 0.3533, 0.4262



89.9377, 0.3611, 0.4476



52.1718, 0.3224, 0.4366



12.9592, 0.3230, 0.3521



31.6900, 0.3788, 0.5374



1.6678, 0.3871, 0.5308

Inverse Universe

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



26.3589, 0.2602, 0.2211



34.2768, 0.2458, 0.1941



30.5273, 0.2966, 0.2315



10.9686, 0.3018, 0.3053



3.1714, 0.1635, 0.0674



0.1993, 0.1839, 0.0787

Previews

White Background



This preview shows how the Yxy color 56.4190, 0.3533, 0.4262 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 56.4190, 0.3533, 0.4262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

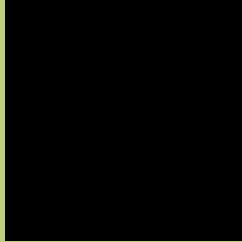
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4190, 0.3533, 0.4262

Background



This preview shows how black text looks on a background with the Yxy color 56.4190, 0.3533, 0.4262.



This preview shows how white text looks on a background with the Yxy color 56.4190, 0.3533, 0.4262.

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

56.4190, 0.3533, 0.4262

Protanopia

56.3416, 0.3817, 0.4137

Deuteranopia

56.0932, 0.3999, 0.3910



Tritanopia

56.3251, 0.3042, 0.3112

Trichromacy



Original Color

56.4190, 0.3533, 0.4262

Protanomaly

56.2847, 0.3710, 0.4185

Deuteranomaly

55.7562, 0.3820, 0.4027

Tritanomaly

56.2469, 0.3227, 0.3524

Monochromacy



Original Color

56.4190, 0.3533, 0.4262

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.8734, 0.3288, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4190, 0.3533, 0.4262 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(188, 206, 129)` looks like.

```
.text, #text, p{  
    color:rgb(188, 206, 129)  
}
```

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(188, 206, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 206, 129) }
```

Border

The CSS property to change the border of an element to Yxy 56.4190, 0.3533, 0.4262 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(188, 206, 129) }
```

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

```
.border{ border-color:rgb(188, 206, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 206, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 206, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 206, 129); box-shadow:4px 4px 4px 4px rgb(188, 206, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4190, 0.3533, 0.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 206, 129) }
```

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

```
.background{ background-color: rgb(188,  
206, 129) }
```

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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