

Converting Colors

$Yxy(58.5310, 0.3304, 0.4447)$

Have a look what the booklet for
Yxy(58.5310, 0.3304, 0.4447)
contains.

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Color

Yxy(58.3781, 0.3301, 0.4438)

Conversions

Conversions Part 1

Format	Color
Hex	A2D881
RGB	162, 216, 129
RGB Percent	64%, 85%, 51%
CMY	0.3646, 0.1529, 0.4942
CMYK	0.25, 0.00, 0.40, 0.15
HSL	97°, 53%, 68%
HSV	97°, 40%, 85%
XYZ	43.4218, 58.3781, 29.7415
YIQ	189.9360, -4.2570, -38.5050

Conversions

Conversions Part 2

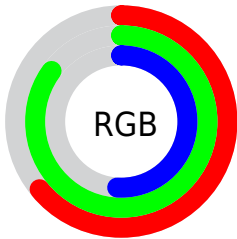
Format	Color
RYB	129, 216, 183
Decimal	10672257
CIELab	80.95, -32.79, 37.39
CIELCh	81, 49.730, 131.256
Yxy	58.3781, 0.3301, 0.4438
Android (android.graphics.Color)	4288862337 (0xFFA2D881)
YUV	189.9360, -30.0414, -24.4999
Hunter-Lab	76.4056, -32.2669, 30.4048

Details

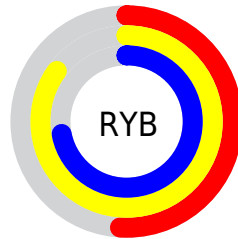
The Yxy color **58.3781, 0.3301, 0.4438** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.7155, 0.2855, 0.2205**, and the grayscale version is **51.6353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8443, 0.3308, 0.4059**, and **29.2279, 0.3312, 0.4767** is the 20% darker color. If you saturate the color by 10%, you get **56.5363, 0.3326, 0.4753**, and if you desaturate by 10%, it is **60.4959, 0.3265, 0.4126**.

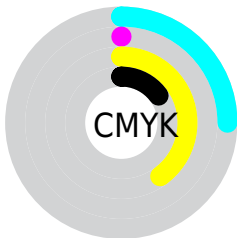
Distribution



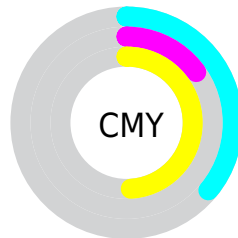
- Red (64%)
- Green (85%)
- Blue (51%)



- Red (51%)
- Yellow (85%)
- Blue (72%)



- Cyan (25%)
- Magenta (0%)
- Yellow (40%)
- Black (15%)





- Cyan (36%)
- Magenta (15%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3781, 0.3301, 0.4438 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 58.3781, 0.3301, 0.4438 by changing the saturation by 10% instead.


 58.3781, 0.3301,
0.4438


 58.3781, 0.3301,
0.4438


418.5933, 0.3238,
0.3859

 42.1127, 0.3309,
0.4582


 102.4733, 0.3284,
0.4228

 29.1895, 0.3314,
0.4764


 131.0718, 0.3276,
0.4149

 19.2243, 0.3312,
0.5004


 164.5502, 0.3268,
0.4082

 11.8324, 0.3294,
0.5328

203.2928, 0.3261,
0.4024

 6.6297, 0.3235,
0.5784

247.6840, 0.3255,
0.3975

 3.2316, 0.3225,
0.6775

298.1082, 0.3249,

 1.2538, 0.2190,

0.3931

0.7810

354.9499, 0.3243,
0.3893

■ 0.1050, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3781, 0.3301,
0.4438

■ 58.3781, 0.3301,
0.4438

■ 56.5363, 0.3326,
0.4753

■ 60.4959, 0.3265,
0.4126

■ 54.9505, 0.3337,
0.5057


■ 62.8935, 0.3223,
0.3827


■ 53.6097, 0.3330,
0.5331


■ 65.5843, 0.3177,
0.3550


■ 52.4989, 0.3306,
0.5558


■ 68.5784, 0.3129,
0.3297

 51.6010, 0.3263,
0.5725

 71.8855, 0.3081,
0.3069

 50.9069, 0.3212,
0.5832

 75.2818, 0.3057,
0.2900

 77.5917, 0.3145,
0.2910

Harmonies

Analogous

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



58.3781, 0.3898, 0.4400



58.3781, 0.3301, 0.4438



58.3781, 0.2689, 0.4050

Triad

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



58.3781, 0.3301, 0.4438



58.3781, 0.2043, 0.2416



58.3781, 0.4093, 0.3093

Complementary

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



58.3781, 0.3301, 0.4438



30.7155, 0.2855, 0.2205

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.



58.3781, 0.3500, 0.2673



58.3781, 0.3301, 0.4438



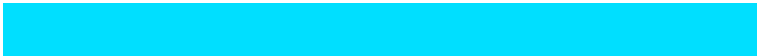
58.3781, 0.2333, 0.2291

Square

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



58.3781, 0.3301, 0.4438



58.3781, 0.2004, 0.2792



58.3781, 0.2847, 0.2388



58.3781, 0.4398, 0.3578

Rectangle

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



58.3781, 0.3301, 0.4438



58.3781, 0.2355, 0.3623



58.3781, 0.2847, 0.2388



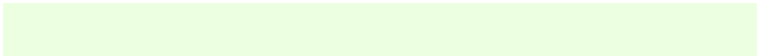
58.3781, 0.3917, 0.2942

Sweetspot

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



58.3806, 0.3301, 0.4438



94.7600, 0.3185, 0.3599



49.9035, 0.3874, 0.3934



20.1689, 0.3191, 0.3635



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.



58.3806, 0.3301, 0.4438



82.7960, 0.3322, 0.4696



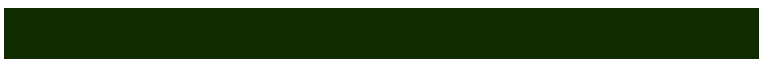
55.6455, 0.3011, 0.4377



14.1235, 0.3172, 0.3527



30.1890, 0.3223, 0.5823



1.8676, 0.3360, 0.5714

Inverse Universe

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



30.7155, 0.2855, 0.2205



37.3707, 0.2780, 0.1978



34.7437, 0.3272, 0.2404



12.3862, 0.3078, 0.3056



5.9967, 0.2282, 0.1031



0.4085, 0.2442, 0.1119

Previews

White Background



This preview shows how the Yxy color 58.3781, 0.3301, 0.4438 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 58.3781, 0.3301, 0.4438 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 58.3781, 0.3301, 0.4438

Background



This preview shows how black text looks on a background with the Yxy color 58.3781, 0.3301, 0.4438.



This preview shows how white text looks on a background with the Yxy color 58.3781, 0.3301, 0.4438.

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

58.3781, 0.3301, 0.4438

Protanopia

57.7987, 0.3864, 0.4179

Deuteranopia

57.9738, 0.3994, 0.3914



Tritanopia

58.1132, 0.2812, 0.3095

Trichromacy



Original Color

58.3781, 0.3301, 0.4438

Protanomaly

57.6290, 0.3644, 0.4281

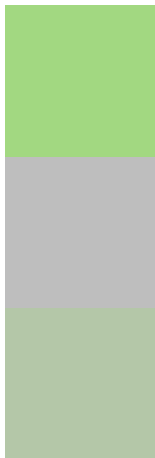
Deuteranomaly

57.4638, 0.3727, 0.4097

Tritanomaly

57.8897, 0.2991, 0.3557

Monochromacy



Original Color

58.3781, 0.3301, 0.4438

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.3773, 0.3203, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3781, 0.3301, 0.4438 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(162, 216, 129)` looks like.

```
.text, #text, p{  
    color:rgb(162, 216, 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(162, 216, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 216, 129) }
```

Border

The CSS property to change the border of an element to Yxy 58.3781, 0.3301, 0.4438 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(162, 216, 129) }
```

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

```
.border{ border-color:rgb(162, 216, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 216, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 216, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 216, 129);  
box-shadow:4px 4px 4px 4px rgb(162, 216,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3781, 0.3301, 0.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 216, 129) }
```

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

```
.background{ background-color: rgb(162,  
216, 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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