

Converting Colors

$Yxy(58.3009, 0.3278, 0.4476)$

Have a look what the booklet for
Yxy(58.3009, 0.3278, 0.4476)
contains.

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Color

Yxy(58.4533, 0.3275, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	9ED980
RGB	158, 217, 128
RGB Percent	62%, 85%, 50%
CMY	0.3805, 0.1490, 0.4980
CMYK	0.27, 0.00, 0.41, 0.15
HSL	100°, 54%, 68%
HSV	100°, 41%, 85%
XYZ	42.8074, 58.4533, 29.4489
YIQ	189.2130, -6.5950, -40.1870

Conversions

Conversions Part 2

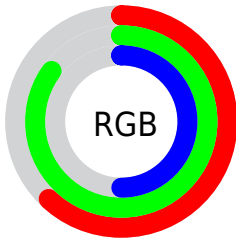
Format	Color
RYB	128, 217, 187
Decimal	10410368
CIELab	80.99, -34.80, 37.88
CIELCh	81, 51.441, 132.569
Yxy	58.4533, 0.3275, 0.4472
Android (android.graphics.Color)	4288600448 (0xFF9ED980)
YUV	189.2130, -30.1780, -27.3738
Hunter-Lab	76.4548, -33.8529, 30.6810

Details

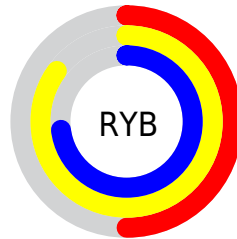
The Yxy color **58.4533, 0.3275, 0.4472** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.0176, 0.2885, 0.2196**, and the grayscale version is **51.1956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1935, 0.3288, 0.4076**, and **29.3195, 0.3278, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **56.5694, 0.3293, 0.4793**, and if you desaturate by 10%, it is **60.6354, 0.3247, 0.4154**.

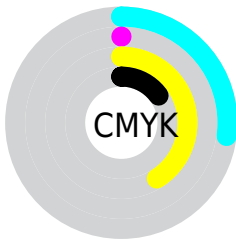
Distribution



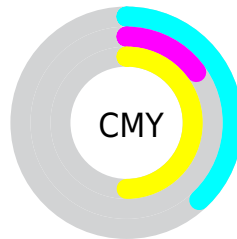
- Red (62%)
- Green (85%)
- Blue (50%)



- Red (50%)
- Yellow (85%)
- Blue (73%)



- Cyan (27%)
- Magenta (0%)
- Yellow (41%)
- Black (15%)





- Cyan (38%)
- Magenta (15%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4533, 0.3275, 0.4472 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 58.4533, 0.3275, 0.4472 by changing the saturation by 10% instead.


 58.4533, 0.3275,
0.4472

 58.4533, 0.3275,
0.4472


418.8729, 0.3226,
0.3875


 42.1732, 0.3279,
0.4621

 102.5827, 0.3263,
0.4255

 29.2369, 0.3279,
0.4810


 131.2007, 0.3257,
0.4173

 19.2601, 0.3271,
0.5058


 164.7002, 0.3251,
0.4104

 11.8584, 0.3243,
0.5395

203.4655, 0.3245,
0.4045

 6.6473, 0.3168,
0.5868

247.8810, 0.3240,
0.3994

 3.2425, 0.3123,
0.6877

298.3312, 0.3235,

 1.2596, 0.1959,

0.3949

0.8041

355.2003, 0.3230,
0.3910

■ 0.1096, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4533, 0.3275,
0.4472

■ 58.4533, 0.3275,
0.4472

■ 56.5694, 0.3293,
0.4793

■ 60.6354, 0.3247,
0.4154

■ 54.9623, 0.3297,
0.5102


■ 63.1208, 0.3212,
0.3851

■ 53.6196, 0.3286,
0.5379


■ 65.9240, 0.3172,
0.3570


■ 52.5246, 0.3258,
0.5606


■ 69.0563, 0.3131,
0.3314

 51.6583, 0.3214,
0.5770

 72.5283, 0.3090,
0.3085

 51.0500, 0.3168,
0.5866

 76.1419, 0.3070,
0.2912

 78.1097, 0.3145,
0.2920

Harmonies

Analogous

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



58.4533, 0.3895, 0.4446



58.4533, 0.3275, 0.4472



58.4533, 0.2648, 0.4052

Triad

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



58.4533, 0.3275, 0.4472



58.4533, 0.2019, 0.2378



58.4533, 0.4148, 0.3105

Complementary

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



58.4533, 0.3275, 0.4472



31.0176, 0.2885, 0.2196

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.



58.4533, 0.3541, 0.2671



58.4533, 0.3275, 0.4472



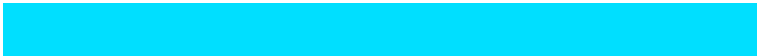
58.4533, 0.2327, 0.2261

Square

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



58.4533, 0.3275, 0.4472



58.4533, 0.1967, 0.2751



58.4533, 0.2865, 0.2371



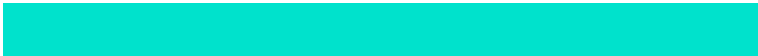
58.4533, 0.4445, 0.3605

Rectangle

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



58.4533, 0.3275, 0.4472



58.4533, 0.2310, 0.3603



58.4533, 0.2865, 0.2371



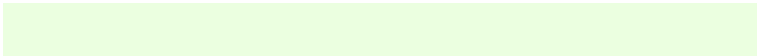
58.4533, 0.3970, 0.2950

Sweetspot

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



58.4558, 0.3275, 0.4472



94.5360, 0.3177, 0.3600



51.3688, 0.3876, 0.3979



20.1163, 0.3182, 0.3636



0.0000, 0.0000, 0.0000



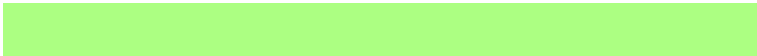
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.4558, 0.3275, 0.4472



81.9194, 0.3291, 0.4743



56.1528, 0.2992, 0.4358



14.8183, 0.3166, 0.3528



30.9526, 0.3178, 0.5859



2.0517, 0.3305, 0.5758

Inverse Universe

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



31.0176, 0.2885, 0.2196



37.3314, 0.2817, 0.1967



34.5354, 0.3305, 0.2418



13.0438, 0.3084, 0.3056



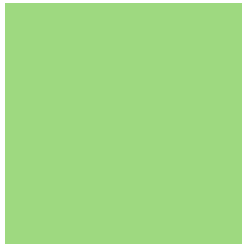
6.6769, 0.2379, 0.1084



0.4791, 0.2516, 0.1160

Previews

White Background



This preview shows how the Yxy color 58.4533, 0.3275, 0.4472 looks on a white background.

Color Contrast Check

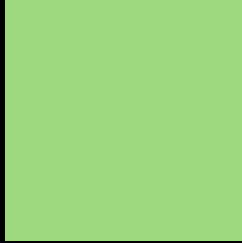
Large Text (above 18pt) WCAG AA × Fail

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 58.4533, 0.3275, 0.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

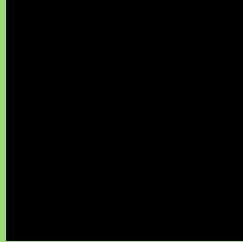
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4533, 0.3275, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 58.4533, 0.3275, 0.4472.



This preview shows how white text looks on a background with the Yxy color 58.4533, 0.3275, 0.4472.

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

58.4533, 0.3275, 0.4472

Protanopia

57.7738, 0.3871, 0.4189

Deuteranopia

57.9458, 0.4002, 0.3924



Tritanopia

58.3008, 0.2786, 0.3095

Trichromacy



Original Color

58.4533, 0.3275, 0.4472

Protanomaly

57.4682, 0.3643, 0.4295

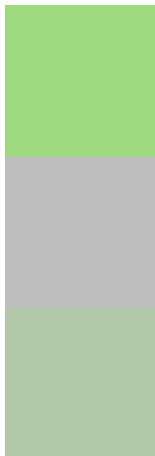
Deuteranomaly

57.1409, 0.3717, 0.4114

Tritanomaly

58.0489, 0.2970, 0.3571

Monochromacy



Original Color

58.4533, 0.3275, 0.4472

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

53.1018, 0.3194, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4533, 0.3275, 0.4472 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(158, 217, 128)` looks like.

```
.text, #text, p{  
    color:rgb(158, 217, 128)  
}
```

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(158, 217, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 217, 128) }
```

Border

The CSS property to change the border of an element to Yxy 58.4533, 0.3275, 0.4472 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(158, 217, 128) }
```

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

```
.border{ border-color:rgb(158, 217, 128) }
```

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

Here you see how a box with a 4 pixel rgb(158, 217, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 217, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 217, 128);  
box-shadow:4px 4px 4px 4px rgb(158, 217,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4533, 0.3275, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 217, 128) }
```

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

```
.background{ background-color: rgb(158,  
217, 128) }
```

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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