

Converting Colors

Yxy(58.2496, 0.3214, 0.4518)

Have a look what the booklet for
Yxy(58.2496, 0.3214, 0.4518)
contains.

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Color

Yxy(58.0647, 0.3214, 0.4520)

Conversions

Conversions Part 1

Format	Color
Hex	95DA7F
RGB	149, 218, 127
RGB Percent	58%, 85%, 50%
CMY	0.4159, 0.1450, 0.5020
CMYK	0.32, 0.00, 0.42, 0.15
HSL	106°, 55%, 68%
HSV	106°, 42%, 85%
XYZ	41.2876, 58.0647, 29.1094
YIQ	186.9950, -11.9130, -42.9290

Conversions

Conversions Part 2

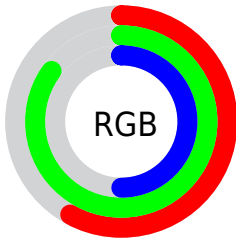
Format	Color
RYB	127, 218, 196
Decimal	9820799
CIELab	80.77, -38.46, 38.01
CIELCh	81, 54.075, 135.336
Yxy	58.0647, 0.3214, 0.4520
Android (android.graphics.Color)	4288010879 (0xFF95DA7F)
YUV	186.9950, -29.5775, -33.3216
Hunter-Lab	76.2002, -36.6336, 30.6906

Details

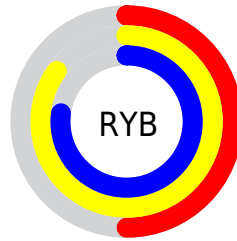
The Yxy color **58.0647, 0.3214, 0.4520** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.9884, 0.2962, 0.2202**, and the grayscale version is **49.8598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8353, 0.3235, 0.4102**, and **29.1491, 0.3201, 0.4880** is the 20% darker color. If you saturate the color by 10%, you get **56.1123, 0.3219, 0.4853**, and if you desaturate by 10%, it is **60.3662, 0.3201, 0.4191**.

Distribution



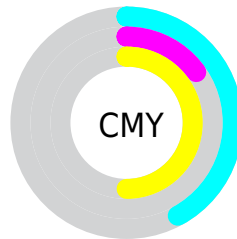
- Red (58%)
- Green (85%)
- Blue (50%)



- Red (50%)
- Yellow (85%)
- Blue (77%)



- Cyan (32%)
- Magenta (0%)
- Yellow (42%)
- Black (15%)



- Cyan (42%)
- Magenta (15%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0647, 0.3214, 0.4520 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 58.0647, 0.3214, 0.4520 by changing the saturation by 10% instead.


 58.0647, 0.3214,
0.4520

 58.0647, 0.3214,
0.4520


417.4270, 0.3196,
0.3895

 41.8607, 0.3210,
0.4677

 102.0171, 0.3214,
0.4292

 28.9922, 0.3200,
0.4877


 130.5342, 0.3212,
0.4206

 19.0749, 0.3177,
0.5141


 163.9245, 0.3209,
0.4134

 11.7244, 0.3130,
0.5500

202.5723, 0.3207,
0.4072

 6.5563, 0.3026,
0.6008

246.8621, 0.3204,
0.4019

 3.1862, 0.2922,
0.7078

297.1782, 0.3201,

 1.2297, 0.1368,

0.3972

0.8632

353.9050, 0.3199,
0.3931

■ 0.0858, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0647, 0.3214,
0.4520

■ 58.0647, 0.3214,
0.4520

■ 56.1123, 0.3219,
0.4853

■ 60.3662, 0.3201,
0.4191

■ 54.4842, 0.3213,
0.5173


■ 63.0253, 0.3181,
0.3879


■ 53.1639, 0.3194,
0.5458


■ 66.0596, 0.3158,
0.3592


■ 52.1306, 0.3164,
0.5688

■ 69.4831, 0.3132,
0.3332

 51.3602, 0.3124,
0.5847

 73.3091, 0.3105,
0.3102

 50.8959, 0.3089,
0.5929

 77.3682, 0.3097,
0.2925

 78.6314, 0.3144,
0.2930

Harmonies

Analogous

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



58.0647, 0.3874, 0.4525



58.0647, 0.3214, 0.4520



58.0647, 0.2566, 0.4035

Triad

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



58.0647, 0.3214, 0.4520



58.0647, 0.1987, 0.2311



58.0647, 0.4248, 0.3139

Complementary

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



58.0647, 0.3214, 0.4520



31.9884, 0.2962, 0.2202

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.



58.0647, 0.3628, 0.2678



58.0647, 0.3214, 0.4520



58.0647, 0.2330, 0.2215

Square

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



58.0647, 0.3214, 0.4520



58.0647, 0.1907, 0.2672



58.0647, 0.2911, 0.2351



58.0647, 0.4521, 0.3662

Rectangle

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



58.0647, 0.3214, 0.4520



58.0647, 0.2228, 0.3548



58.0647, 0.2911, 0.2351



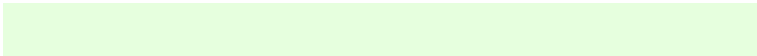
58.0647, 0.4070, 0.2975

Sweetspot

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



58.0672, 0.3214, 0.4520



93.5823, 0.3161, 0.3629



55.5883, 0.3848, 0.4089



19.8177, 0.3166, 0.3692



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.



58.0672, 0.3214, 0.4520



80.3575, 0.3219, 0.4810



56.8576, 0.2938, 0.4249



14.7570, 0.3152, 0.3529



30.5286, 0.3098, 0.5923



2.0178, 0.3213, 0.5831

Inverse Universe

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



31.9884, 0.2962, 0.2202



38.4192, 0.2914, 0.1980



34.0388, 0.3402, 0.2497



13.1086, 0.3100, 0.3057



7.9069, 0.2609, 0.1211



0.5510, 0.2711, 0.1267

Previews

White Background



This preview shows how the Yxy color 58.0647, 0.3214, 0.4520 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 58.0647, 0.3214, 0.4520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

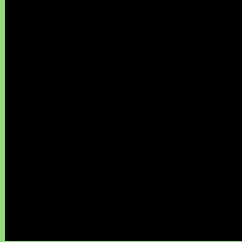
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.0647, 0.3214, 0.4520

Background



This preview shows how black text looks on a background with the Yxy color 58.0647, 0.3214, 0.4520.



This preview shows how white text looks on a background with the Yxy color 58.0647, 0.3214, 0.4520.

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

58.0647, 0.3214, 0.4520

Protanopia

57.5700, 0.3876, 0.4214

Deuteranopia

57.3058, 0.4006, 0.3927



Tritanopia

57.9527, 0.2729, 0.3092

Trichromacy



Original Color

58.0647, 0.3214, 0.4520



Protanomaly

57.3932, 0.3612, 0.4329



Deuteranomaly

56.5338, 0.3690, 0.4136



Tritanomaly

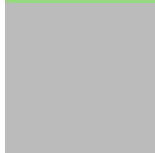
57.5903, 0.2908, 0.3588

Monochromacy



Original Color

58.0647, 0.3214, 0.4520



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.9890, 0.3170, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0647, 0.3214, 0.4520 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(149, 218, 127)` looks like.

```
.text, #text, p{  
    color:rgb(149, 218, 127)  
}
```

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(149, 218, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 218, 127) }
```

Border

The CSS property to change the border of an element to Yxy 58.0647, 0.3214, 0.4520 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(149, 218, 127) }
```

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

```
.border{ border-color:rgb(149, 218, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 218, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 218, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 218, 127);  
box-shadow:4px 4px 4px 4px rgb(149, 218,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0647, 0.3214, 0.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 218, 127) }
```

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

```
.background{ background-color: rgb(149,  
218, 127) }
```

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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