

Converting Colors

Yxy(58.5778, 0.3196, 0.4525)

Have a look what the booklet for
Yxy(58.5778, 0.3196, 0.4525)
contains.

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Color

Yxy(58.4246, 0.3193, 0.4522)

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 93DB80 |
| RGB | 147, 219, 128 |
| RGB Percent | 58%, 86%, 50% |
| CMY | 0.4237, 0.1411, 0.4981 |
| CMYK | 0.33, 0.00, 0.42, 0.14 |
| HSL | 108°, 56%, 68% |
| HSV | 108°, 42%, 86% |
| XYZ | 41.2538, 58.4246, 29.5224 |
| YIQ | 187.0980, -13.7010, -43.5650 |

Conversions

Conversions Part 2

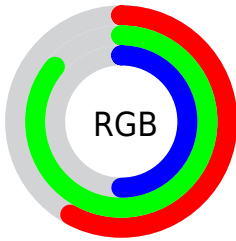
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 128, 219, 200 |
| Decimal | 9689984 |
| CIELab | 80.97, -39.42, 37.75 |
| CIELCh | 81, 54.582, 136.243 |
| Yxy | 58.4246, 0.3193, 0.4522 |
| Android (android.graphics.Color) | 4287880064 (0xFF93DB80) |
| YUV | 187.0980, -29.1353, -35.1659 |
| Hunter-Lab | 76.4360, -37.4235, 30.6052 |

Details

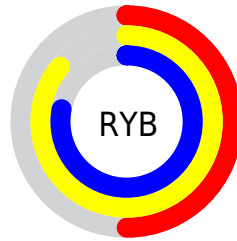
The Yxy color **58.4246, 0.3193, 0.4522** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.8392, 0.2992, 0.2216**, and the grayscale version is **49.9211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5939, 0.3217, 0.4094**, and **29.4139, 0.3176, 0.4883** is the 20% darker color. If you saturate the color by 10%, you get **56.4279, 0.3194, 0.4860**, and if you desaturate by 10%, it is **60.7924, 0.3184, 0.4190**.

Distribution



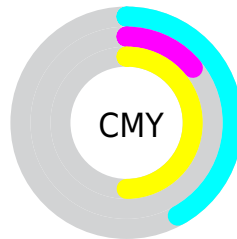
- Red (58%)
- Green (86%)
- Blue (50%)



- Red (50%)
- Yellow (86%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (42%)
- Black (14%)





- Cyan (42%)
- Magenta (14%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4246, 0.3193, 0.4522 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 58.4246, 0.3193, 0.4522 by changing the saturation by 10% instead.


 58.4246, 0.3193,
0.4522


 58.4246, 0.3193,
0.4522


418.7662, 0.3185,
0.3895


 42.1501, 0.3187,
0.4679


 102.5409, 0.3196,
0.4293

 29.2188, 0.3173,
0.4880


 131.1515, 0.3196,
0.4208

 19.2464, 0.3147,
0.5144


 164.6429, 0.3195,
0.4135

 11.8485, 0.3096,
0.5505

203.3996, 0.3193,
0.4073

 6.6406, 0.2986,
0.6017

247.8058, 0.3191,
0.4020

 3.2384, 0.2884,
0.7116

298.2461, 0.3189,

 1.2574, 0.1327,

0.3973

0.8673

355.1048, 0.3187,
0.3932

■ 0.1079, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4246, 0.3193,
0.4522

■ 58.4246, 0.3193,
0.4522

■ 56.4279, 0.3194,
0.4860

■ 60.7924, 0.3184,
0.4190

■ 54.7759, 0.3186,
0.5184


■ 63.5411, 0.3169,
0.3875

■ 53.4504, 0.3167,
0.5473


■ 66.6898, 0.3151,
0.3587

■ 52.4285, 0.3137,
0.5705


■ 70.2536, 0.3130,
0.3328

 51.6839, 0.3100,
0.5864

 74.2471, 0.3109,
0.3098

 51.2420, 0.3068,
0.5946

 78.3974, 0.3116,
0.2937

 79.1499, 0.3144,
0.2940

Harmonies

Analogous

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



58.4246, 0.3860, 0.4540



58.4246, 0.3193, 0.4522



58.4246, 0.2544, 0.4021

Triad

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



58.4246, 0.3193, 0.4522



58.4246, 0.1987, 0.2298



58.4246, 0.4271, 0.3153

Complementary

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



58.4246, 0.3193, 0.4522



32.8392, 0.2992, 0.2216

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.



58.4246, 0.3653, 0.2686



58.4246, 0.3193, 0.4522



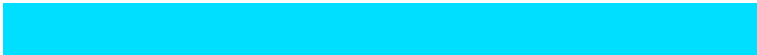
58.4246, 0.2339, 0.2210

Square

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



58.4246, 0.3193, 0.4522



58.4246, 0.1898, 0.2652



58.4246, 0.2930, 0.2352



58.4246, 0.4533, 0.3679

Rectangle

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



58.4246, 0.3193, 0.4522



58.4246, 0.2209, 0.3527



58.4246, 0.2930, 0.2352



58.4246, 0.4095, 0.2987

Sweetspot

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



58.4271, 0.3193, 0.4522



93.8748, 0.3152, 0.3602



57.6022, 0.3831, 0.4117



19.9616, 0.3155, 0.3639



0.0000, 0.0000, 0.0000



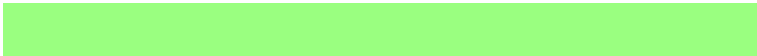
21.4041, 0.3127, 0.3290

Same Dimension

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



58.4271, 0.3193, 0.4522



79.9410, 0.3194, 0.4822



57.5847, 0.2921, 0.4200



14.7362, 0.3147, 0.3529



30.4180, 0.3076, 0.5940



2.0079, 0.3185, 0.5853

Inverse Universe

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



32.8392, 0.2992, 0.2216



39.0947, 0.2950, 0.1994



34.3596, 0.3433, 0.2532



13.1308, 0.3105, 0.3057



8.3749, 0.2689, 0.1255



0.5777, 0.2778, 0.1304

Previews

White Background



This preview shows how the Yxy color 58.4246, 0.3193, 0.4522 looks on a white background.

Color Contrast Check

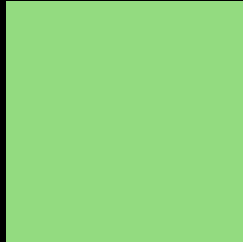
Large Text (above 18pt) WCAG AA × Fail

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 58.4246, 0.3193, 0.4522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

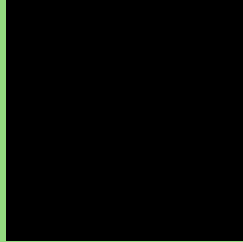
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4246, 0.3193, 0.4522

Background



This preview shows how black text looks on a background with the Yxy color 58.4246, 0.3193, 0.4522.



This preview shows how white text looks on a background with the Yxy color 58.4246, 0.3193, 0.4522.

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

58.4246, 0.3193, 0.4522

Protanopia

57.7491, 0.3878, 0.4200

Deuteranopia

57.5081, 0.4007, 0.3914



Tritanopia

58.3861, 0.2718, 0.3093

Trichromacy



Original Color

58.4246, 0.3193, 0.4522



Protanomaly

57.4183, 0.3605, 0.4318



Deuteranomaly

56.5610, 0.3682, 0.4124



Tritanomaly

58.0302, 0.2895, 0.3588

Monochromacy



Original Color

58.4246, 0.3193, 0.4522



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.3707, 0.3154, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4246, 0.3193, 0.4522 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(147, 219, 128)` looks like.

```
.text, #text, p{  
    color:rgb(147, 219, 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(147, 219, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 219, 128) }
```

Border

The CSS property to change the border of an element to Yxy 58.4246, 0.3193, 0.4522 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(147, 219, 128) }
```

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

```
.border{ border-color:rgb(147, 219, 128) }
```

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

Here you see how a box with a 4 pixel rgb(147, 219, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 219, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 219, 128);  
box-shadow:4px 4px 4px 4px rgb(147, 219,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4246, 0.3193, 0.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 219, 128) }
```

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

```
.background{ background-color: rgb(147,  
219, 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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