

Converting Colors

Yxy(55.2957, 0.3119, 0.4521)

Have a look what the booklet for
Yxy(55.2957, 0.3119, 0.4521)
contains.

Yxy(55.2841, 0.3121, 0.4526)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.2841, 0.3121, 0.4526)

Conversions

Conversions Part 1

Format	Color
Hex	87D77F
RGB	135, 215, 127
RGB Percent	53%, 84%, 50%
CMY	0.4706, 0.1568, 0.5019
CMYK	0.37, 0.00, 0.41, 0.16
HSL	115°, 52%, 67%
HSV	115°, 41%, 84%
XYZ	38.1223, 55.2841, 28.7414
YIQ	181.0480, -19.4320, -44.3280

Conversions

Conversions Part 2

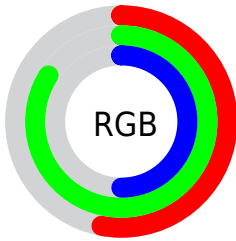
Format	Color
RYB	127, 215, 207
Decimal	8902527
CIELab	79.20, -41.63, 35.85
CIElCh	79, 54.937, 139.265
Yxy	55.2841, 0.3121, 0.4526
Android (android.graphics.Color)	4287092607 (0xFF87D77F)
YUV	181.0480, -26.6457, -40.3841
Hunter-Lab	74.3533, -38.5979, 29.1286

Details

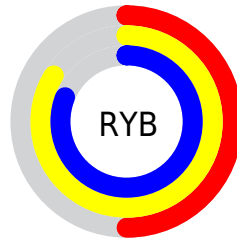
The Yxy color **55.2841, 0.3121, 0.4526** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **33.3545, 0.3096, 0.2265**, and the grayscale version is **46.3911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9326, 0.3148, 0.4124**, and **27.3689, 0.3081, 0.4908** is the 20% darker color. If you saturate the color by 10%, you get **53.3090, 0.3111, 0.4877**, and if you desaturate by 10%, it is **57.6812, 0.3127, 0.4183**.

Distribution



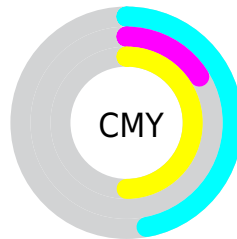
- Red (53%)
- Green (84%)
- Blue (50%)



- Red (50%)
- Yellow (84%)
- Blue (81%)



- Cyan (37%)
- Magenta (0%)
- Yellow (41%)
- Black (16%)





- Cyan (47%)
- Magenta (16%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2841, 0.3121, 0.4526 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 55.2841, 0.3121, 0.4526 by changing the saturation by 10% instead.


 55.2841, 0.3121,
0.4526

 55.2841, 0.3121,
0.4526

406.9880, 0.3148,
0.3889

 39.6292, 0.3106,
0.4688

 97.9571, 0.3137,
0.4291

 27.2496, 0.3082,
0.4898


 125.7440, 0.3141,
0.4204

 17.7608, 0.3042,
0.5177

 158.3437, 0.3144,
0.4131

 10.7784, 0.2970,
0.5563

196.1406, 0.3145,
0.4068

 5.9180, 0.2829,
0.6121

239.5190, 0.3147,
0.4014

 2.7953, 0.2664,
0.7336

288.8635, 0.3147,

 1.0258, 0.0000,

0.3967

1.0000

344.5583, 0.3148,
0.3926

0.0000, 0.0000,
0.0000

55.2841, 0.3121,
0.4526

55.2841, 0.3121,
0.4526

53.3090, 0.3111,
0.4877

57.6812, 0.3127,
0.4183

51.7249, 0.3096,
0.5215

60.5153, 0.3130,
0.3862

50.5077, 0.3078,
0.5514

63.8093, 0.3129,
0.3571

49.6277, 0.3057,
0.5751

67.5824, 0.3127,
0.3312

49.0503, 0.3035,
0.5908

71.8528, 0.3124,
0.3086

 48.7473, 0.3018,
0.5986

 76.5724, 0.3126,
0.2898

 77.0835, 0.3145,
0.2901

Harmonies

Analogous

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



55.2841, 0.3810, 0.4590



55.2841, 0.3121, 0.4526



55.2841, 0.2470, 0.3968

Triad

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



55.2841, 0.3121, 0.4526



55.2841, 0.1986, 0.2254



55.2841, 0.4347, 0.3200

Complementary

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



55.2841, 0.3121, 0.4526



33.3545, 0.3096, 0.2265

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.



55.2841, 0.3739, 0.2716



55.2841, 0.3121, 0.4526



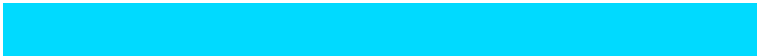
55.2841, 0.2371, 0.2191

Square

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



55.2841, 0.3121, 0.4526



55.2841, 0.1868, 0.2586



55.2841, 0.2996, 0.2359



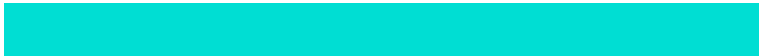
55.2841, 0.4569, 0.3739

Rectangle

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



55.2841, 0.3121, 0.4526



55.2841, 0.2146, 0.3453



55.2841, 0.2996, 0.2359



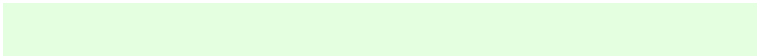
55.2841, 0.4178, 0.3029

Sweetspot

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



55.2864, 0.3121, 0.4526



93.2834, 0.3130, 0.3604



60.2218, 0.3773, 0.4210



19.8235, 0.3130, 0.3641



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.



55.2864, 0.3121, 0.4526



78.8303, 0.3113, 0.4826



55.7319, 0.2863, 0.4030



13.9493, 0.3129, 0.3530



29.1751, 0.3022, 0.5982



1.7787, 0.3087, 0.5931

Inverse Universe

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



33.3545, 0.3096, 0.2265



42.3702, 0.3084, 0.2066



32.9154, 0.3539, 0.2657



12.5727, 0.3123, 0.3059



9.9367, 0.2983, 0.1417



0.6165, 0.3025, 0.1440

Previews

White Background



This preview shows how the Yxy color 55.2841, 0.3121, 0.4526 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 55.2841, 0.3121, 0.4526 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 55.2841, 0.3121, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 55.2841, 0.3121, 0.4526.



This preview shows how white text looks on a background with the Yxy color 55.2841, 0.3121, 0.4526.

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

55.2841, 0.3121, 0.4526

Protanopia

54.5083, 0.3865, 0.4189

Deuteranopia

54.5855, 0.3965, 0.3887



Tritanopia

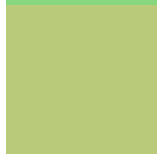
55.0284, 0.2662, 0.3086

Trichromacy



Original Color

55.2841, 0.3121, 0.4526



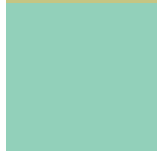
Protanomaly

53.9605, 0.3569, 0.4314



Deuteranomaly

53.4415, 0.3627, 0.4116



Tritanomaly

54.7679, 0.2832, 0.3585

Monochromacy



Original Color

55.2841, 0.3121, 0.4526



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.6057, 0.3131, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2841, 0.3121, 0.4526 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(135, 215, 127)` looks like.

```
.text, #text, p{  
    color:rgb(135, 215, 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(135, 215, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 215, 127) }
```

Border

The CSS property to change the border of an element to Yxy 55.2841, 0.3121, 0.4526 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(135, 215, 127) }
```

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

```
.border{ border-color:rgb(135, 215, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 215, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 215, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 215, 127);  
box-shadow:4px 4px 4px 4px rgb(135, 215,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2841, 0.3121, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 215, 127) }
```

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

```
.background{ background-color: rgb(135,  
215, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor