

Converting Colors

Yxy(55.7347, 0.2913, 0.4027)

Have a look what the booklet for
Yxy(55.7347, 0.2913, 0.4027)
contains.

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Color

Yxy(55.7347, 0.2913, 0.4027)

Conversions

Conversions Part 1

Format	Color
Hex	86D6A1
RGB	134, 214, 161
RGB Percent	53%, 84%, 63%
CMY	0.4743, 0.1608, 0.3686
CMYK	0.37, 0.00, 0.25, 0.16
HSL	140°, 49%, 68%
HSV	140°, 37%, 84%
XYZ	40.3167, 55.7347, 42.3512
YIQ	184.0380, -30.6670, -33.4430

Conversions

Conversions Part 2

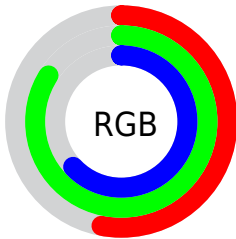
Format	Color
RYB	134, 194, 214
Decimal	8836769
CIELab	79.46, -35.80, 18.60
CIELCh	79, 40.339, 152.546
Yxy	55.7347, 0.2913, 0.4027
Android (android.graphics.Color)	4287026849 (0xFF86D6A1)
YUV	184.0380, -11.3577, -43.8833
Hunter-Lab	74.6557, -34.2512, 18.6245

Details

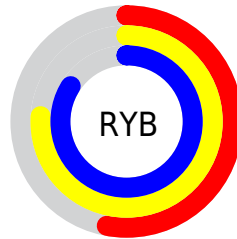
The Yxy color **55.7347, 0.2913, 0.4027** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.9489, 0.3438, 0.2656**, and the grayscale version is **48.0382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4250, 0.2953, 0.3720**, and **27.6059, 0.2846, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **53.6797, 0.2868, 0.4269**, and if you desaturate by 10%, it is **58.2069, 0.2966, 0.3802**.

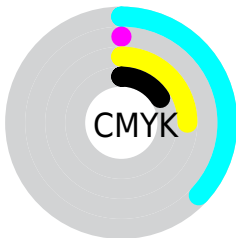
Distribution



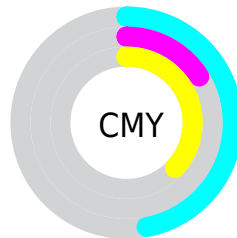
- Red (53%)
- Green (84%)
- Blue (63%)



- Red (53%)
- Yellow (76%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (25%)
- Black (16%)




- Cyan (47%)
- Magenta (16%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7347, 0.2913, 0.4027 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 55.7347, 0.2913, 0.4027 by changing the saturation by 10% instead.


 55.7347, 0.2913,
0.4027

 55.7347, 0.2913,
0.4027

408.6909, 0.3026,
0.3652


 39.9903, 0.2883,
0.4122


 98.6166, 0.2955,
0.3889

 27.5309, 0.2844,
0.4246


 126.5228, 0.2971,
0.3838

 17.9724, 0.2791,
0.4411


 159.2517, 0.2983,
0.3795

 10.9302, 0.2713,
0.4644

197.1878, 0.2994,
0.3758

 6.0199, 0.2592,
0.4995

240.7153, 0.3004,
0.3726

 2.8572, 0.2380,
0.5575

290.2188, 0.3012,

 1.0576, 0.1033,

0.3698

0.8967

346.0825, 0.3019,
0.3674

■ 0.0000, 0.0000,
0.0000

■ 55.7347, 0.2913,
0.4027

■ 55.7347, 0.2913,
0.4027

■ 53.6797, 0.2868,
0.4269

■ 58.2069, 0.2966,
0.3802

■ 52.0115, 0.2835,
0.4523

■ 61.1110, 0.3023,
0.3596

■ 50.7066, 0.2815,
0.4781


■ 64.4692, 0.3083,
0.3412

■ 49.7356, 0.2813,
0.5032


■ 68.3005, 0.3143,
0.3249


■ 49.0646, 0.2827,
0.5265

■ 72.6225, 0.3202,
0.3105

 48.6482, 0.2858,
0.5470

 76.0121, 0.3206,
0.2974

 48.5612, 0.2867,
0.5519

 76.5714, 0.3146,
0.2891

Harmonies

Analogous

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



55.7347, 0.3435, 0.4252



55.7347, 0.2913, 0.4027



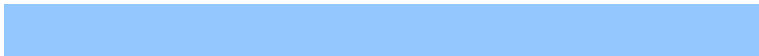
55.7347, 0.2472, 0.3543

Triad

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



55.7347, 0.2913, 0.4027



55.7347, 0.2370, 0.2461



55.7347, 0.4133, 0.3426

Complementary

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



55.7347, 0.2913, 0.4027



34.9489, 0.3438, 0.2656

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.



55.7347, 0.3799, 0.3020



55.7347, 0.2913, 0.4027



55.7347, 0.2757, 0.2487

Square

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



55.7347, 0.2913, 0.4027



55.7347, 0.2182, 0.2637



55.7347, 0.3280, 0.2687



55.7347, 0.4163, 0.3836

Rectangle

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



55.7347, 0.2913, 0.4027



55.7347, 0.2277, 0.3184



55.7347, 0.3280, 0.2687



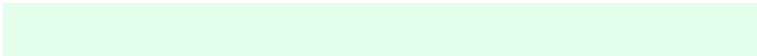
55.7347, 0.4052, 0.3287

Sweetspot

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



55.7370, 0.2913, 0.4027



93.9226, 0.3060, 0.3479



60.4226, 0.3470, 0.4285



19.9558, 0.3052, 0.3504



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.



55.7370, 0.2913, 0.4027



80.3693, 0.2876, 0.4222



57.3654, 0.2681, 0.3465



13.9644, 0.3070, 0.3448



29.3706, 0.2859, 0.5493



1.7867, 0.2760, 0.5136

Inverse Universe

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



34.9489, 0.3438, 0.2656



45.0634, 0.3530, 0.2522



33.4775, 0.3882, 0.3127



12.5582, 0.3189, 0.3137



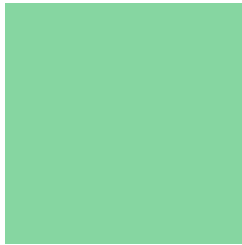
9.8390, 0.4281, 0.2132



0.6086, 0.4050, 0.2005

Previews

White Background



This preview shows how the Yxy color 55.7347, 0.2913, 0.4027 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 55.7347, 0.2913, 0.4027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

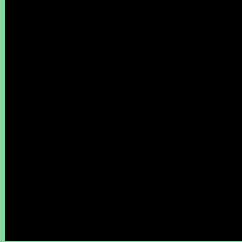
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7347, 0.2913, 0.4027

Background



This preview shows how black text looks on a background with the Yxy color 55.7347, 0.2913, 0.4027.

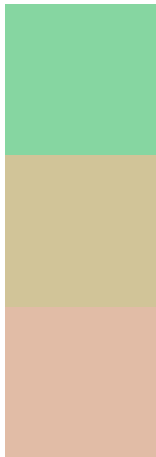


This preview shows how white text looks on a background with the Yxy color 55.7347, 0.2913, 0.4027.

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

55.7347, 0.2913, 0.4027

Protanopia

55.3022, 0.3574, 0.3823

Deuteranopia

54.7272, 0.3623, 0.3546



Tritanopia

55.6196, 0.2623, 0.3086

Trichromacy



Original Color

55.7347, 0.2913, 0.4027



Protanomaly

55.0235, 0.3308, 0.3909



Deuteranomaly

53.8193, 0.3334, 0.3707



Tritanomaly

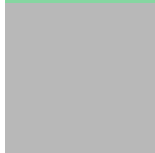
55.5218, 0.2724, 0.3408

Monochromacy



Original Color

55.7347, 0.2913, 0.4027



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.2718, 0.3037, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7347, 0.2913, 0.4027 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(134, 214, 161)` looks like.

```
.text, #text, p{  
    color:rgb(134, 214, 161)  
}
```

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(134, 214, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 214, 161) }
```

Border

The CSS property to change the border of an element to Yxy 55.7347, 0.2913, 0.4027 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(134, 214, 161) }
```

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

```
.border{ border-color:rgb(134, 214, 161) }
```

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

Here you see how a box with a 4 pixel rgb(134, 214, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 214, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 214, 161);  
box-shadow:4px 4px 4px 4px rgb(134, 214,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7347, 0.2913, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 214, 161) }
```

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

```
.background{ background-color: rgb(134,  
214, 161) }
```

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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