

Converting Colors

$Yxy(56.7074, 0.3066, 0.4586)$

Have a look what the booklet for
Yxy(56.7074, 0.3066, 0.4586)
contains.

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Color

Yxy(56.7074, 0.3066, 0.4586)

Conversions

Conversions Part 1

Format	Color
Hex	7FDB7F
RGB	127, 219, 127
RGB Percent	50%, 86%, 50%
CMY	0.5021, 0.1411, 0.5019
CMYK	0.42, 0.00, 0.42, 0.14
HSL	120°, 56%, 68%
HSV	120°, 42%, 86%
XYZ	37.9121, 56.7074, 29.0338
YIQ	181.0040, -25.3000, -48.1160

Conversions

Conversions Part 2

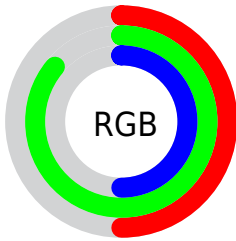
Format	Color
RYB	127, 219, 219
Decimal	8379263
CIELab	80.01, -45.80, 36.81
CIELCh	80, 58.760, 141.207
Yxy	56.7074, 0.3066, 0.4586
Android (android.graphics.Color)	4286569343 (0xFF7FDB7F)
YUV	181.0040, -26.6240, -47.3615
Hunter-Lab	75.3043, -41.9164, 29.8536

Details

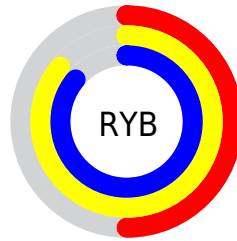
The Yxy color **56.7074, 0.3066, 0.4586** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.3434, 0.3176, 0.2264**, and the grayscale version is **46.3658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0465, 0.3105, 0.4135**, and **28.0558, 0.3014, 0.4973** is the 20% darker color. If you saturate the color by 10%, you get **54.6974, 0.3049, 0.4945**, and if you desaturate by 10%, it is **59.2116, 0.3083, 0.4233**.

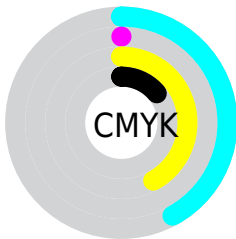
Distribution



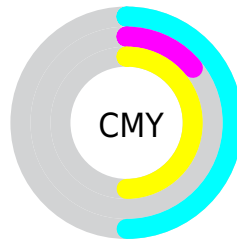
- Red (50%)
- Green (86%)
- Blue (50%)



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



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




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7074, 0.3066, 0.4586 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 56.7074, 0.3066, 0.4586 by changing the saturation by 10% instead.


 56.7074, 0.3066,
0.4586


 56.7074, 0.3066,
0.4586


412.3520, 0.3122,
0.3918


 40.7704, 0.3044,
0.4756


 100.0381, 0.3092,
0.4340

 28.1397, 0.3010,
0.4975


 128.2006, 0.3101,
0.4249

 18.4310, 0.2957,
0.5267


 161.2070, 0.3107,
0.4172

 11.2599, 0.2867,
0.5670

199.4418, 0.3111,
0.4106

 6.2419, 0.2702,
0.6250

243.2892, 0.3115,
0.4050

 2.9927, 0.2498,
0.7502

293.1338, 0.3118,

 1.1279, 0.0000,

0.4000

1.0000

349.3600, 0.3120,
0.3957

0.0016, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.7074, 0.3066,
0.4586

56.7074, 0.3066,
0.4586

54.6974, 0.3049,
0.4945

59.2116, 0.3083,
0.4233

53.1423, 0.3033,
0.5287


62.2319, 0.3098,
0.3902


52.0087, 0.3019,
0.5583

65.7976, 0.3112,
0.3603


51.2555, 0.3009,
0.5807

69.9338, 0.3125,
0.3339

 50.8332, 0.3003,
0.5944

 74.6638, 0.3136,
0.3110

 50.6677, 0.3000,
0.6000

 79.1473, 0.3144,
0.2940

Harmonies

Analogous

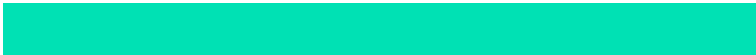
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.7074, 0.3796, 0.4678



56.7074, 0.3066, 0.4586



56.7074, 0.2392, 0.3960

Triad

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



56.7074, 0.3066, 0.4586



56.7074, 0.1946, 0.2187



56.7074, 0.4450, 0.3225

Complementary

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



56.7074, 0.3066, 0.4586



35.3434, 0.3176, 0.2264

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.



56.7074, 0.3824, 0.2714



56.7074, 0.3066, 0.4586



56.7074, 0.2365, 0.2141

Square

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



56.7074, 0.3066, 0.4586



56.7074, 0.1804, 0.2510



56.7074, 0.3035, 0.2330



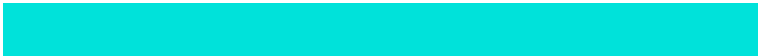
56.7074, 0.4650, 0.3789

Rectangle

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



56.7074, 0.3066, 0.4586



56.7074, 0.2064, 0.3406



56.7074, 0.3035, 0.2330



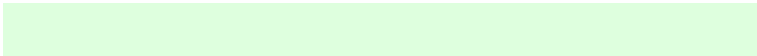
56.7074, 0.4280, 0.3045

Sweetspot

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



56.7098, 0.3066, 0.4586



92.2929, 0.3111, 0.3634



67.2601, 0.3752, 0.4322



19.5041, 0.3108, 0.3698



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.



56.7098, 0.3066, 0.4586



77.6180, 0.3052, 0.4888



58.1935, 0.2805, 0.3922



14.6064, 0.3116, 0.3531



30.0410, 0.3000, 0.6000



1.9463, 0.3000, 0.5998

Inverse Universe

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



35.3434, 0.3176, 0.2264



43.7830, 0.3185, 0.2083



33.2482, 0.3659, 0.2743



13.2747, 0.3138, 0.3060



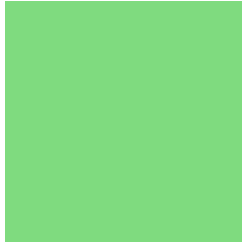
11.9583, 0.3211, 0.1542



0.7748, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 56.7074, 0.3066, 0.4586 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 56.7074, 0.3066, 0.4586 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 56.7074, 0.3066, 0.4586

Background



This preview shows how black text looks on a background with the Yxy color 56.7074, 0.3066, 0.4586.



This preview shows how white text looks on a background with the Yxy color 56.7074, 0.3066, 0.4586.

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

56.7074, 0.3066, 0.4586

Protanopia

55.8633, 0.3881, 0.4200

Deuteranopia

55.9493, 0.3982, 0.3902



Tritanopia

56.6046, 0.2610, 0.3087

Trichromacy



Original Color

56.7074, 0.3066, 0.4586



Protanomaly

55.2581, 0.3550, 0.4349



Deuteranomaly

54.6830, 0.3607, 0.4151



Tritanomaly

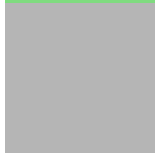
56.2501, 0.2774, 0.3598

Monochromacy



Original Color

56.7074, 0.3066, 0.4586



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.1805, 0.3105, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7074, 0.3066, 0.4586 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(127, 219, 127)` looks like.

```
.text, #text, p{  
    color:rgb(127, 219, 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(127, 219, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 219, 127) }
```

Border

The CSS property to change the border of an element to Yxy 56.7074, 0.3066, 0.4586 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(127, 219, 127) }
```

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

```
.border{ border-color:rgb(127, 219, 127) }
```

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

Here you see how a box with a 4 pixel rgb(127, 219, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 219, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 219, 127);  
box-shadow:4px 4px 4px 4px rgb(127, 219,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7074, 0.3066, 0.4586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 219, 127) }
```

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

```
.background{ background-color: rgb(127,  
219, 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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