

Converting Colors

$Yxy(50.5657, 0.3035, 0.4325)$

Have a look what the booklet for
Yxy(50.5657, 0.3035, 0.4325)
contains.

| | |
|--|----|
| Yxy(50.5590, 0.3037, 0.4326) | 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(50.5590, 0.3037, 0.4326)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 81CE87 |
| RGB | 129, 206, 135 |
| RGB Percent | 51%, 81%, 53% |
| CMY | 0.4943, 0.1921, 0.4705 |
| CMYK | 0.37, 0.00, 0.34, 0.19 |
| HSL | 125°, 44%, 66% |
| HSV | 125°, 37%, 81% |
| XYZ | 35.4941, 50.5590, 30.8193 |
| YIQ | 174.8830, -23.1010, -38.4050 |

Conversions

Conversions Part 2

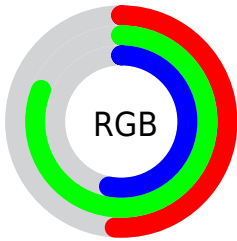
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 129, 200, 206 |
| Decimal | 8507015 |
| CIELab | 76.41, -38.26, 28.01 |
| CIELCh | 76, 47.421, 143.791 |
| Yxy | 50.5590, 0.3037, 0.4326 |
| Android (android.graphics.Color) | 4286697095 (0xFF81CE87) |
| YUV | 174.8830, -19.6623, -40.2394 |
| Hunter-Lab | 71.1049, -35.3298, 24.0751 |

Details

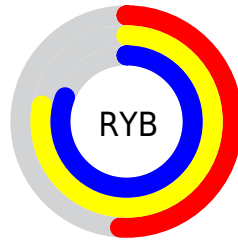
The Yxy color **50.5590, 0.3037, 0.4326** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.9795, 0.3230, 0.2436**, and the grayscale version is **42.9158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3845, 0.3062, 0.4041**, and **24.2692, 0.2989, 0.4659** is the 20% darker color. If you saturate the color by 10%, you get **48.6200, 0.3015, 0.4660**, and if you desaturate by 10%, it is **52.9228, 0.3061, 0.4010**.

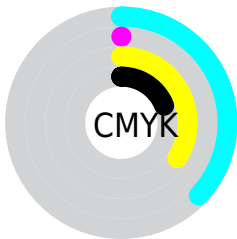
Distribution



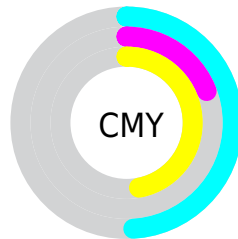
- Red (51%)
- Green (81%)
- Blue (53%)



- Red (51%)
- Yellow (78%)
- Blue (81%)



- Cyan (37%)
- Magenta (0%)
- Yellow (34%)
- Black (19%)





- Cyan (49%)
- Magenta (19%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5590, 0.3037, 0.4326 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 50.5590, 0.3037, 0.4326 by changing the saturation by 10% instead.


 50.5590, 0.3037,
0.4326


 50.5590, 0.3037,
0.4326


388.8480, 0.3098,
0.3786


 35.8578, 0.3016,
0.4467


 91.0026, 0.3063,
0.4125

 24.3244, 0.2986,
0.4651


 117.5137, 0.3072,
0.4051

 15.5744, 0.2940,
0.4901


 148.7302, 0.3079,
0.3989

 9.2235, 0.2863,
0.5257

185.0366, 0.3084,
0.3936

 4.8873, 0.2723,
0.5796

226.8171, 0.3089,
0.3891

 2.1813, 0.2648,
0.7286

274.4563, 0.3092,

 0.7097, 0.0000,

0.3851

1.0000

328.3384, 0.3096,
0.3817

■ 0.0000, 0.0000,
0.0000

■ 50.5590, 0.3037,
0.4326

■ 50.5590, 0.3037,
0.4326

■ 48.6200, 0.3015,
0.4660

■ 52.9228, 0.3061,
0.4010

■ 47.0745, 0.2996,
0.4995

■ 55.7275, 0.3086,
0.3720

■ 45.8975, 0.2983,
0.5312


■ 58.9966, 0.3110,
0.3461


■ 45.0581, 0.2978,
0.5586


■ 62.7496, 0.3133,
0.3234

■ 44.5205, 0.2979,
0.5796

■ 67.0052, 0.3154,
0.3036

 44.2366, 0.2986,
0.5930

 71.7809, 0.3174,
0.2866

 44.1855, 0.2987,
0.5954

 72.6274, 0.3150,
0.2811

Harmonies

Analogous

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



50.5590, 0.3662, 0.4465



50.5590, 0.3037, 0.4326



50.5590, 0.2469, 0.3790

Triad

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



50.5590, 0.3037, 0.4326



50.5590, 0.2134, 0.2334



50.5590, 0.4266, 0.3292

Complementary

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



50.5590, 0.3037, 0.4326



32.9795, 0.3230, 0.2436

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.



50.5590, 0.3770, 0.2835



50.5590, 0.3037, 0.4326



50.5590, 0.2523, 0.2306

Square

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



50.5590, 0.3037, 0.4326



50.5590, 0.1989, 0.2604



50.5590, 0.3112, 0.2487



50.5590, 0.4409, 0.3783

Rectangle

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



50.5590, 0.3037, 0.4326



50.5590, 0.2195, 0.3339



50.5590, 0.3112, 0.2487



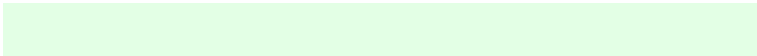
50.5590, 0.4133, 0.3132

Sweetspot

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



50.5611, 0.3037, 0.4326



93.5089, 0.3101, 0.3554



58.1311, 0.3641, 0.4226



19.8579, 0.3098, 0.3590



0.0000, 0.0000, 0.0000



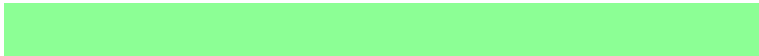
21.4041, 0.3127, 0.3290

Same Dimension

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



50.5611, 0.3037, 0.4326



79.2964, 0.3019, 0.4597



51.8135, 0.2804, 0.3761



12.5511, 0.3105, 0.3510



27.2108, 0.2984, 0.5943



1.4089, 0.2933, 0.5757

Inverse Universe

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



32.9795, 0.3230, 0.2436



46.7406, 0.3256, 0.2262



31.4332, 0.3636, 0.2868



11.3879, 0.3150, 0.3079



10.3697, 0.3416, 0.1655



0.5396, 0.3371, 0.1631

Previews

White Background



This preview shows how the Yxy color 50.5590, 0.3037, 0.4326 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 50.5590, 0.3037, 0.4326 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 50.5590, 0.3037, 0.4326

Background



This preview shows how black text looks on a background with the Yxy color 50.5590, 0.3037, 0.4326.



This preview shows how white text looks on a background with the Yxy color 50.5590, 0.3037, 0.4326.

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

50.5590, 0.3037, 0.4326

Protanopia

49.7695, 0.3751, 0.4038

Deuteranopia

49.9378, 0.3830, 0.3754



Tritanopia

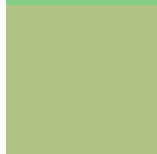
50.1626, 0.2646, 0.3078

Trichromacy



Original Color

50.5590, 0.3037, 0.4326



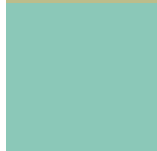
Protanomaly

49.4254, 0.3460, 0.4149



Deuteranomaly

48.9506, 0.3512, 0.3944



Tritanomaly

50.2582, 0.2791, 0.3511

Monochromacy



Original Color

50.5590, 0.3037, 0.4326



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

44.9250, 0.3093, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5590, 0.3037, 0.4326 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(129, 206, 135)` looks like.

```
.text, #text, p{  
    color:rgb(129, 206, 135)  
}
```

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(129, 206, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 206, 135) }
```

Border

The CSS property to change the border of an element to Yxy 50.5590, 0.3037, 0.4326 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(129, 206, 135) }
```

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

```
.border{ border-color:rgb(129, 206, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 206, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 206, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 206, 135);  
box-shadow:4px 4px 4px 4px rgb(129, 206,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5590, 0.3037, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 206, 135) }
```

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

```
.background{ background-color: rgb(129,  
206, 135) }
```

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