

Converting Colors

$Y_{xy}(54.7040, 0.2924, 0.4060)$

Have a look what the booklet for
Yxy(54.7040, 0.2924, 0.4060)
contains.

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Color

Yxy(54.5421, 0.2923, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	85D49E
RGB	133, 212, 158
RGB Percent	52%, 83%, 62%
CMY	0.4786, 0.1686, 0.3803
CMYK	0.37, 0.00, 0.25, 0.17
HSL	139°, 48%, 68%
HSV	139°, 37%, 83%
XYZ	39.3840, 54.5421, 40.8123
YIQ	182.2230, -29.7500, -33.5420

Conversions

Conversions Part 2

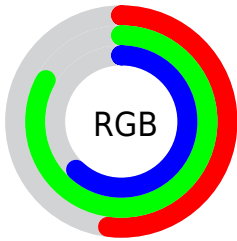
Format	Color
RYB	133, 193, 212
Decimal	8770718
CIELab	78.78, -35.76, 19.21
CIELCh	79, 40.591, 151.761
Yxy	54.5421, 0.2923, 0.4048
Android (android.graphics.Color)	4286960798 (0xFF85D49E)
YUV	182.2230, -11.9419, -43.1686
Hunter-Lab	73.8526, -34.0518, 18.9321

Details

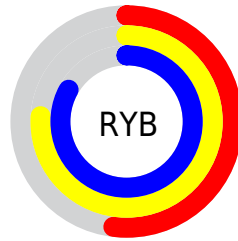
The Yxy color **54.5421, 0.2923, 0.4048** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.3455, 0.3420, 0.2640**, and the grayscale version is **46.9819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1429, 0.2963, 0.3755**, and **26.8168, 0.2858, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **52.5205, 0.2880, 0.4298**, and if you desaturate by 10%, it is **56.9752, 0.2973, 0.3816**.

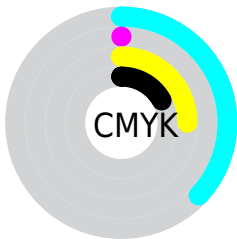
Distribution



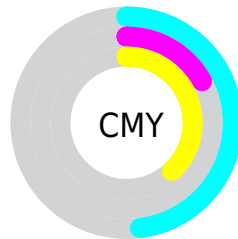
- Red (52%)
- Green (83%)
- Blue (62%)



- Red (52%)
- Yellow (76%)
- Blue (83%)



- Cyan (37%)
- Magenta (0%)
- Yellow (25%)
- Black (17%)




- Cyan (48%)
- Magenta (17%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5421, 0.2923, 0.4048 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 54.5421, 0.2923, 0.4048 by changing the saturation by 10% instead.


 54.5421, 0.2923,
0.4048

 54.5421, 0.2923,
0.4048


404.1738, 0.3032,
0.3661

 39.0352, 0.2894,
0.4147


 96.8697, 0.2964,
0.3906

 26.7871, 0.2856,
0.4275


 124.4593, 0.2979,
0.3853

 17.4134, 0.2802,
0.4448


 156.8452, 0.2991,
0.3808

 10.5297, 0.2725,
0.4692

194.4119, 0.3002,
0.3770

 5.7515, 0.2602,
0.5062

237.5437, 0.3011,
0.3737

 2.6946, 0.2382,
0.5678

286.6250, 0.3019,

 0.9745, 0.0493,

0.3708

0.9507

342.0403, 0.3025,
0.3683

0.0000, 0.0000,
0.0000

54.5421, 0.2923,
0.4048

54.5421, 0.2923,
0.4048

52.5205, 0.2880,
0.4298

56.9752, 0.2973,
0.3816

50.8805, 0.2848,
0.4559

59.8341, 0.3028,
0.3604

49.5987, 0.2829,
0.4823

63.1410, 0.3085,
0.3415


48.6466, 0.2827,
0.5079


66.9144, 0.3143,
0.3247

47.9906, 0.2842,
0.5315

71.1716, 0.3199,
0.3099

 47.5863, 0.2872,
0.5519

 74.9376, 0.3216,
0.2966

 47.5003, 0.2880,
0.5569

 75.5721, 0.3147,
0.2871

Harmonies

Analogous

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



54.5421, 0.3452, 0.4267



54.5421, 0.2923, 0.4048



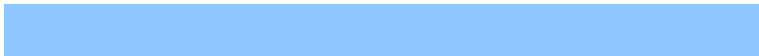
54.5421, 0.2473, 0.3561

Triad

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



54.5421, 0.2923, 0.4048



54.5421, 0.2353, 0.2453



54.5421, 0.4141, 0.3416

Complementary

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



54.5421, 0.2923, 0.4048



34.3455, 0.3420, 0.2640

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.



54.5421, 0.3796, 0.3006



54.5421, 0.2923, 0.4048



54.5421, 0.2740, 0.2474

Square

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



54.5421, 0.2923, 0.4048



54.5421, 0.2168, 0.2636



54.5421, 0.3267, 0.2672



54.5421, 0.4180, 0.3831

Rectangle

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



54.5421, 0.2923, 0.4048



54.5421, 0.2272, 0.3196



54.5421, 0.3267, 0.2672



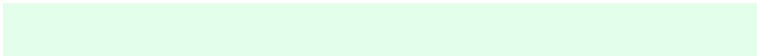
54.5421, 0.4056, 0.3275

Sweetspot

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



54.5444, 0.2923, 0.4048



93.8900, 0.3063, 0.3485



59.3459, 0.3480, 0.4279



19.9481, 0.3056, 0.3510



0.0000, 0.0000, 0.0000



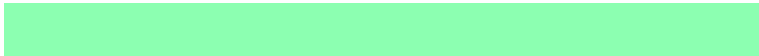
21.4041, 0.3127, 0.3290

Same Dimension

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



54.5444, 0.2923, 0.4048



80.2775, 0.2887, 0.4251



56.1296, 0.2690, 0.3483



13.9602, 0.3073, 0.3453



29.3374, 0.2873, 0.5544



1.7843, 0.2774, 0.5188

Inverse Universe

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



34.3455, 0.3420, 0.2640



45.1828, 0.3508, 0.2501



32.8812, 0.3863, 0.3111



12.5625, 0.3186, 0.3132



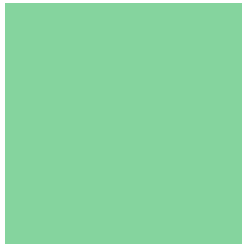
9.9174, 0.4204, 0.2090



0.6129, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 54.5421, 0.2923, 0.4048 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 54.5421, 0.2923, 0.4048 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 54.5421, 0.2923, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 54.5421, 0.2923, 0.4048.



This preview shows how white text looks on a background with the Yxy color 54.5421, 0.2923, 0.4048.

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

54.5421, 0.2923, 0.4048

Protanopia

54.0510, 0.3578, 0.3828

Deuteranopia

54.0323, 0.3643, 0.3571



Tritanopia

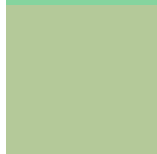
54.4640, 0.2625, 0.3084

Trichromacy



Original Color

54.5421, 0.2923, 0.4048



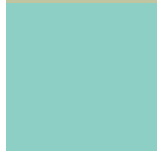
Protanomaly

53.7765, 0.3310, 0.3915



Deuteranomaly

53.1294, 0.3350, 0.3735



Tritanomaly

54.3196, 0.2733, 0.3422

Monochromacy



Original Color

54.5421, 0.2923, 0.4048



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.0496, 0.3043, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5421, 0.2923, 0.4048 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(133, 212, 158)` looks like.

```
.text, #text, p{  
    color:rgb(133, 212, 158)  
}
```

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(133, 212, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 212, 158) }
```

Border

The CSS property to change the border of an element to Yxy 54.5421, 0.2923, 0.4048 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(133, 212, 158) }
```

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

```
.border{ border-color:rgb(133, 212, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 212, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 212, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 212, 158);  
box-shadow:4px 4px 4px 4px rgb(133, 212,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5421, 0.2923, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 212, 158) }
```

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

```
.background{ background-color: rgb(133,  
212, 158) }
```

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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