

Converting Colors

$Y_{xy}(54.9097, 0.2532, 0.3672)$

Have a look what the booklet for
Yxy(54.9097, 0.2532, 0.3672)
contains.

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Color

Yxy(54.9097, 0.2532, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	59D8BD
RGB	89, 216, 189
RGB Percent	35%, 85%, 74%
CMY	0.6510, 0.1529, 0.2587
CMYK	0.59, 0.00, 0.12, 0.15
HSL	167°, 62%, 60%
HSV	167°, 59%, 85%
XYZ	37.8626, 54.9097, 56.7639
YIQ	174.9490, -67.0250, -35.3210

Conversions

Conversions Part 2

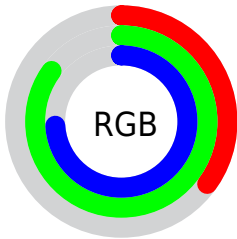
Format	Color
RYB	89, 160, 216
Decimal	5888189
CIELab	78.99, -41.54, 2.81
CIELCh	79, 41.633, 176.132
Yxy	54.9097, 0.2532, 0.3672
Android (android.graphics.Color)	4284078269 (0xFF59D8BD)
YUV	174.9490, 6.9271, -75.3773
Hunter-Lab	74.1011, -38.4708, 6.4526

Details

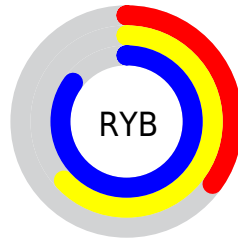
The Yxy color **54.9097, 0.2532, 0.3672** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **23.0026, 0.4542, 0.2982**, and the grayscale version is **42.8321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5966, 0.2606, 0.3401**, and **26.9192, 0.2379, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **53.7995, 0.2481, 0.3749**, and if you desaturate by 10%, it is **56.3439, 0.2602, 0.3597**.

Distribution



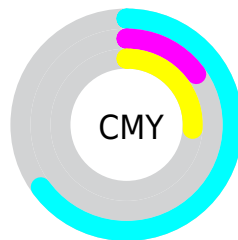
- Red (35%)
- Green (85%)
- Blue (74%)



- Red (35%)
- Yellow (63%)
- Blue (85%)



- Cyan (59%)
- Magenta (0%)
- Yellow (12%)
- Black (15%)




- Cyan (65%)
- Magenta (15%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9097, 0.2532, 0.3672 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 54.9097, 0.2532, 0.3672 by changing the saturation by 10% instead.


 54.9097, 0.2532,
0.3672


 54.9097, 0.2532,
0.3672


405.5695, 0.2821,
0.3485

 39.3294, 0.2463,
0.3718


 97.4086, 0.2635,
0.3605


 27.0161, 0.2375,
0.3776


 125.0961, 0.2674,
0.3579

 17.5853, 0.2262,
0.3852


 157.5881, 0.2708,
0.3557

 10.6527, 0.2109,
0.3956

 195.2690, 0.2736,
0.3539

 5.8338, 0.1893,
0.4105

238.5232, 0.2762,
0.3523

 2.7443, 0.1568,
0.4338

287.7351, 0.2784,

 0.9997, 0.0000,

0.3508

0.5298

343.2891, 0.2803,
0.3496

0.0000, 0.0000,
0.0000

54.9097, 0.2532,
0.3672

54.9097, 0.2532,
0.3672

53.7995, 0.2481,
0.3749

56.3439, 0.2602,
0.3597

52.9784, 0.2449,
0.3827

58.1206, 0.2688,
0.3525

52.4153, 0.2437,
0.3906

60.2644, 0.2788,
0.3457

52.0579, 0.2441,
0.3983

62.7959, 0.2899,
0.3394

52.0203, 0.2442,
0.3992

65.7340, 0.3018,
0.3337

69.0964, 0.3142,
0.3284

72.8999, 0.3269,
0.3237

75.8489, 0.3346,
0.3193

76.1038, 0.3314,
0.3148

Harmonies

Analogous

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



54.9097, 0.3017, 0.4136



54.9097, 0.2532, 0.3672



54.9097, 0.2222, 0.3115

Triad

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



54.9097, 0.2532, 0.3672



54.9097, 0.2643, 0.2438



54.9097, 0.4222, 0.3765

Complementary

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



54.9097, 0.2532, 0.3672



23.0026, 0.4542, 0.2982

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.



54.9097, 0.4121, 0.3336



54.9097, 0.2532, 0.3672



54.9097, 0.3163, 0.2609

Square

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



54.9097, 0.2532, 0.3672



54.9097, 0.2284, 0.2453



54.9097, 0.3718, 0.2927



54.9097, 0.4004, 0.4127

Rectangle

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



54.9097, 0.2532, 0.3672



54.9097, 0.2140, 0.2803



54.9097, 0.3718, 0.2927



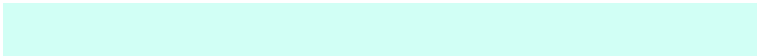
54.9097, 0.4226, 0.3624

Sweetspot

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



54.9119, 0.2532, 0.3672



91.6979, 0.2906, 0.3391



53.5822, 0.3196, 0.5092



19.3801, 0.2873, 0.3409



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.



54.9119, 0.2532, 0.3672



77.9604, 0.2470, 0.3772



39.7303, 0.2289, 0.2769



14.0606, 0.3011, 0.3340



30.8063, 0.2439, 0.3980



1.8696, 0.2402, 0.3846

Inverse Universe

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



23.0026, 0.4542, 0.2982



27.3296, 0.5056, 0.2963



29.9819, 0.4641, 0.3715



12.4635, 0.3258, 0.3241



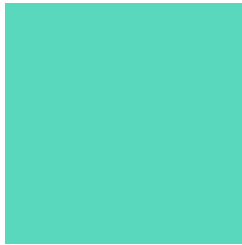
8.7702, 0.6029, 0.3095



0.5414, 0.5541, 0.2826

Previews

White Background



This preview shows how the Yxy color 54.9097, 0.2532, 0.3672 looks on a white background.

Color Contrast Check

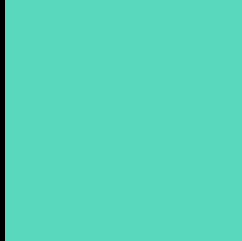
Large Text (above 18pt) WCAG AA × Fail

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 54.9097, 0.2532, 0.3672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

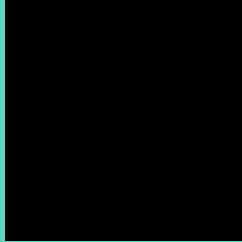
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

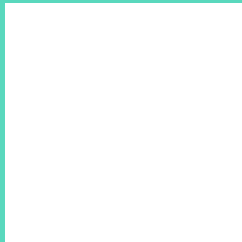
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9097, 0.2532, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 54.9097, 0.2532, 0.3672.



This preview shows how white text looks on a background with the Yxy color 54.9097, 0.2532, 0.3672.

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

54.9097, 0.2532, 0.3672

Protanopia

53.8708, 0.3324, 0.3486

Deuteranopia

53.9036, 0.3272, 0.3208



Tritanopia

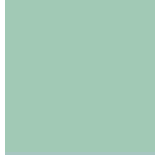
54.5782, 0.2384, 0.3051

Trichromacy



Original Color

54.9097, 0.2532, 0.3672



Protanomaly

52.6866, 0.2964, 0.3556



Deuteranomaly

52.4539, 0.2926, 0.3354



Tritanomaly

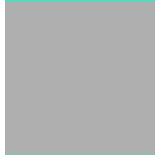
54.5387, 0.2434, 0.3261

Monochromacy



Original Color

54.9097, 0.2532, 0.3672



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.0515, 0.2842, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9097, 0.2532, 0.3672 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(89, 216, 189)` looks like.

```
.text, #text, p{  
    color:rgb(89, 216, 189)  
}
```

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(89, 216, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 216, 189) }
```

Border

The CSS property to change the border of an element to Yxy 54.9097, 0.2532, 0.3672 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(89, 216, 189) }
```

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

```
.border{ border-color:rgb(89, 216, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 216, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 216, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 216, 189);  
box-shadow:4px 4px 4px 4px rgb(89, 216,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9097, 0.2532, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 216, 189) }
```

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

```
.background{ background-color: rgb(89, 216,  
189) }
```

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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