

Converting Colors

$Y_{xy}(54.5650, 0.2552, 0.3077)$

Have a look what the booklet for
Yxy(54.5650, 0.2552, 0.3077)
contains.

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Color

Yxy(54.5674, 0.2555, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	87CEDE
RGB	135, 206, 222
RGB Percent	53%, 81%, 87%
CMY	0.4709, 0.1921, 0.1295
CMYK	0.39, 0.07, 0.00, 0.13
HSL	191°, 57%, 70%
HSV	191°, 39%, 87%
XYZ	45.2368, 54.5674, 77.2478
YIQ	186.5950, -47.4520, -10.0760

Conversions

Conversions Part 2

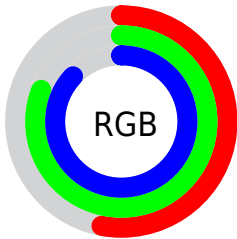
Format	Color
RYB	135, 174, 222
Decimal	8900318
CIELab	78.79, -18.20, -14.94
CIElCh	79, 23.552, 219.383
Yxy	54.5674, 0.2555, 0.3082
Android (android.graphics.Color)	4287090398 (0xFF87CEDE)
YUV	186.5950, 17.4547, -45.2488
Hunter-Lab	73.8698, -19.9613, -10.2925

Details

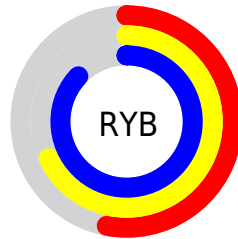
The Yxy color **54.5674, 0.2555, 0.3082** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3739, 0.4030, 0.3484**, and the grayscale version is **49.3656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **26.9520, 0.2415, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **50.9819, 0.2432, 0.3020**, and if you desaturate by 10%, it is **58.5918, 0.2690, 0.3141**.

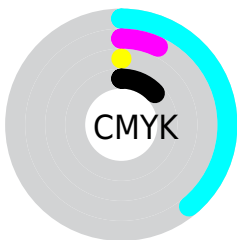
Distribution



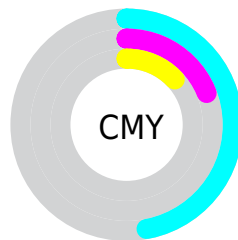
- Red (53%)
- Green (81%)
- Blue (87%)



- Red (53%)
- Yellow (68%)
- Blue (87%)



- Cyan (39%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5674, 0.2555, 0.3082 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 54.5674, 0.2555, 0.3082 by changing the saturation by 10% instead.

■ 54.5674, 0.2555,
0.3082

■ 54.5674, 0.2555,
0.3082

404.2700, 0.2828,
0.3189

■ 39.0555, 0.2491,
0.3055

■ 96.9068, 0.2651,
0.3121

■ 26.8029, 0.2411,
0.3020

■ 124.5031, 0.2688,
0.3136

■ 17.4252, 0.2309,
0.2973

■ 156.8964, 0.2720,
0.3148

■ 10.5381, 0.2173,
0.2908

194.4709, 0.2747,
0.3159

■ 5.7572, 0.1985,
0.2811

237.6111, 0.2771,
0.3168

■ 2.6980, 0.1711,
0.2655

286.7015, 0.2792,

■ 0.9762, 0.1181,

0.3176

0.2399

342.1263, 0.2811,
0.3182

■ 0.0000, 0.0000,
0.0000

■ 54.5674, 0.2555,
0.3082

■ 54.5674, 0.2555,
0.3082

■ 50.9819, 0.2432,
0.3020

■ 58.5918, 0.2690,
0.3141

■ 47.8044, 0.2325,
0.2955

■ 63.0709, 0.2835,
0.3196

■ 45.0099, 0.2236,
0.2889

■ 68.0277, 0.2985,
0.3247

■ 42.5676, 0.2166,
0.2822

■ 73.4815, 0.3139,
0.3293

■ 40.4409, 0.2115,
0.2756

■ 79.4503, 0.3294,
0.3335

■ 38.5714, 0.2082,
0.2690

■ 83.3785, 0.3353,
0.3375

■ 38.4310, 0.2079,
0.2685

■ 85.6774, 0.3348,
0.3415

■ 88.0297, 0.3343,
0.3455

■ 90.4356, 0.3337,
0.3494

Harmonies

Analogous

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



54.5674, 0.2689, 0.3373



54.5674, 0.2555, 0.3082



54.5674, 0.2564, 0.2869

Triad

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



54.5674, 0.2555, 0.3082



54.5674, 0.3296, 0.2962



54.5674, 0.3538, 0.3830

Complementary

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



54.5674, 0.2555, 0.3082



39.3739, 0.4030, 0.3484

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.



54.5674, 0.3719, 0.3684



54.5674, 0.2555, 0.3082



54.5674, 0.3578, 0.3189

Square

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



54.5674, 0.2555, 0.3082



54.5674, 0.2979, 0.2814



54.5674, 0.3735, 0.3448



54.5674, 0.3252, 0.3826

Rectangle

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



54.5674, 0.2555, 0.3082



54.5674, 0.2651, 0.2794



54.5674, 0.3735, 0.3448



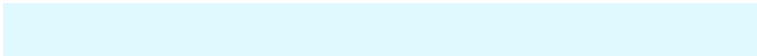
54.5674, 0.3614, 0.3795

Sweetspot

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



54.5695, 0.2555, 0.3082



91.1221, 0.2942, 0.3233



59.6124, 0.2980, 0.4263



19.3099, 0.2922, 0.3226



0.0000, 0.0000, 0.0000



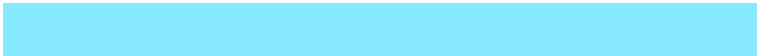
21.4041, 0.3127, 0.3290

Same Dimension

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



54.5695, 0.2555, 0.3082



70.6700, 0.2454, 0.3032



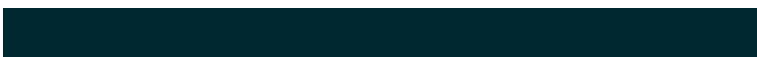
36.4326, 0.2463, 0.2481



15.1224, 0.2982, 0.3246



22.9808, 0.2082, 0.2695



1.7054, 0.2110, 0.2796

Inverse Universe

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



37.2913, 0.3324, 0.2483



44.5139, 0.3376, 0.2325



56.0452, 0.3827, 0.3981



13.8902, 0.3166, 0.3101



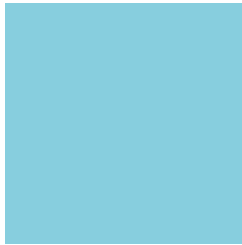
11.2280, 0.3733, 0.1830



0.7896, 0.3638, 0.1778

Previews

White Background



This preview shows how the Yxy color 54.5674, 0.2555, 0.3082 looks on a white background.

Color Contrast Check

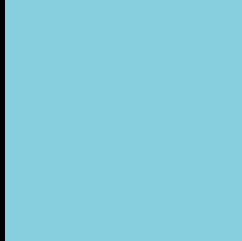
Large Text (above 18pt) WCAG AA × Fail

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 54.5674, 0.2555, 0.3082 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 54.5674, 0.2555, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 54.5674, 0.2555, 0.3082.



This preview shows how white text looks on a background with the Yxy color 54.5674, 0.2555, 0.3082.

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

54.5674, 0.2555, 0.3082

Protanopia

54.2014, 0.2967, 0.3038

Deuteranopia

53.8919, 0.2928, 0.2858



Tritanopia

54.6212, 0.2550, 0.3069

Trichromacy



Original Color

54.5674, 0.2555, 0.3082

Protanomaly

54.0558, 0.2797, 0.3053

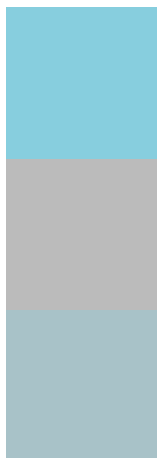
Deuteranomaly

53.5804, 0.2771, 0.2924

Tritanomaly

54.6212, 0.2550, 0.3069

Monochromacy



Original Color

54.5674, 0.2555, 0.3082

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.0785, 0.2884, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5674, 0.2555, 0.3082 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(135, 206, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 206, 222)  
}
```

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(135, 206, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 206, 222) }
```

Border

The CSS property to change the border of an element to Yxy 54.5674, 0.2555, 0.3082 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(135, 206, 222) }
```

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

```
.border{ border-color:rgb(135, 206, 222) }
```

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

Here you see how a box with a 4 pixel rgb(135, 206, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 206, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 206, 222);  
box-shadow:4px 4px 4px 4px rgb(135, 206,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5674, 0.2555, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 206, 222) }
```

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

```
.background{ background-color: rgb(135,  
206, 222) }
```

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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