

Converting Colors

$Yxy(54.8394, 0.2609, 0.3088)$

Have a look what the booklet for
Yxy(54.8394, 0.2609, 0.3088)
contains.

Yxy(54.8124, 0.2610, 0.3084)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.8124, 0.2610, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	90CDDD
RGB	144, 205, 221
RGB Percent	56%, 80%, 87%
CMY	0.4351, 0.1961, 0.1334
CMYK	0.35, 0.07, 0.00, 0.13
HSL	192°, 53%, 72%
HSV	192°, 35%, 87%
XYZ	46.3879, 54.8124, 76.5312
YIQ	188.5850, -41.4920, -7.9560

Conversions

Conversions Part 2

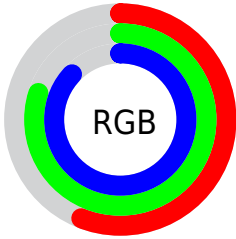
Format	Color
RYB	144, 178, 221
Decimal	9489885
CIELab	78.93, -15.53, -14.15
CIELCh	79, 21.007, 222.329
Yxy	54.8124, 0.2610, 0.3084
Android (android.graphics.Color)	4287679965 (0xFF90CDDD)
YUV	188.5850, 15.9806, -39.1010
Hunter-Lab	74.0354, -17.7202, -9.4639

Details

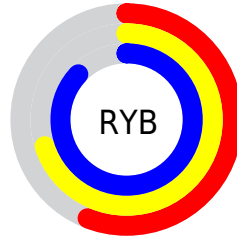
The Yxy color **54.8124, 0.2610, 0.3084** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.5386, 0.3885, 0.3484**, and the grayscale version is **50.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **27.0601, 0.2481, 0.3028** is the 20% darker color. If you saturate the color by 10%, you get **50.8499, 0.2479, 0.3015**, and if you desaturate by 10%, it is **59.2332, 0.2751, 0.3149**.

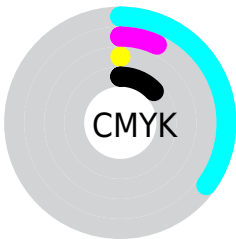
Distribution



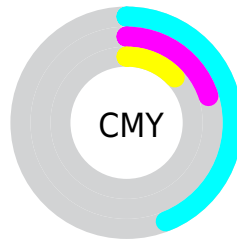
- Red (56%)
- Green (80%)
- Blue (87%)



- Red (56%)
- Yellow (70%)
- Blue (87%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (44%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8124, 0.2610, 0.3084 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 54.8124, 0.2610, 0.3084 by changing the saturation by 10% instead.

■ 54.8124, 0.2610,
0.3084

■ 54.8124, 0.2610,
0.3084

405.2004, 0.2857,
0.3189

■ 39.2515, 0.2552,
0.3058

■ 97.2660, 0.2697,
0.3122

■ 26.9555, 0.2479,
0.3024

■ 124.9276, 0.2731,
0.3136

■ 17.5398, 0.2386,
0.2979

157.3915, 0.2759,
0.3148

■ 10.6201, 0.2262,
0.2917

195.0422, 0.2784,
0.3159

■ 5.8120, 0.2089,
0.2824

238.2641, 0.2806,
0.3168

■ 2.7311, 0.1835,
0.2677

287.4414, 0.2825,

■ 0.9930, 0.1371,

0.3176

0.2427

342.9588, 0.2842,
0.3182

0.0000, 0.0000,
0.0000

54.8124, 0.2610,
0.3084

54.8124, 0.2610,
0.3084

50.8499, 0.2479,
0.3015

59.2332, 0.2751,
0.3149

47.3159, 0.2362,
0.2942

64.1273, 0.2900,
0.3210

44.1868, 0.2261,
0.2867

69.5169, 0.3053,
0.3265

41.4336, 0.2179,
0.2791

75.4207, 0.3207,
0.3315

39.0229, 0.2116,
0.2714

81.8565, 0.3360,
0.3360

■ 36.9139, 0.2073,
0.2638

■ 84.5038, 0.3357,
0.3406

■ 35.9045, 0.2055,
0.2599

■ 87.1312, 0.3351,
0.3451

■ 89.8268, 0.3345,
0.3495

■ 92.5910, 0.3339,
0.3539

Harmonies

Analogous

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



54.8124, 0.2719, 0.3339



54.8124, 0.2610, 0.3084



54.8124, 0.2631, 0.2902

Triad

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



54.8124, 0.2610, 0.3084



54.8124, 0.3306, 0.3014



54.8124, 0.3473, 0.3776

Complementary

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



54.8124, 0.2610, 0.3084



42.5386, 0.3885, 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.



54.8124, 0.3644, 0.3661



54.8124, 0.2610, 0.3084



54.8124, 0.3548, 0.3223

Square

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



54.8124, 0.2610, 0.3084



54.8124, 0.3023, 0.2872



54.8124, 0.3674, 0.3457



54.8124, 0.3212, 0.3756

Rectangle

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



54.8124, 0.2610, 0.3084



54.8124, 0.2717, 0.2841



54.8124, 0.3674, 0.3457



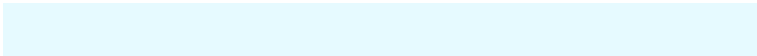
54.8124, 0.3543, 0.3751

Sweetspot

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



54.8146, 0.2610, 0.3084



92.1459, 0.2972, 0.3237



60.1574, 0.2988, 0.4117



19.4990, 0.2951, 0.3229



0.0000, 0.0000, 0.0000



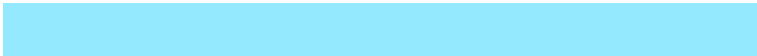
21.4041, 0.3127, 0.3290

Same Dimension

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



54.8146, 0.2610, 0.3084



71.6394, 0.2510, 0.3032



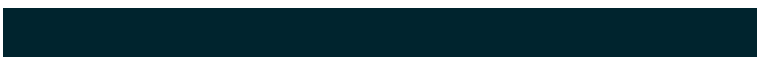
38.8374, 0.2541, 0.2570



14.3461, 0.2982, 0.3240



21.0282, 0.2059, 0.2611



1.4802, 0.2093, 0.2734

Inverse Universe

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



39.7379, 0.3315, 0.2592



48.2770, 0.3367, 0.2445



57.7294, 0.3733, 0.3917



13.2261, 0.3169, 0.3107



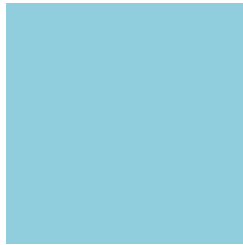
10.7466, 0.3813, 0.1874



0.7081, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 54.8124, 0.2610, 0.3084 looks on a white background.

Color Contrast Check

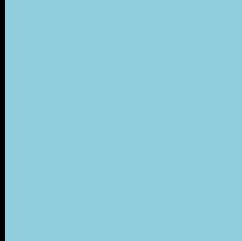
Large Text (above 18pt) WCAG AA × Fail

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 54.8124, 0.2610, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

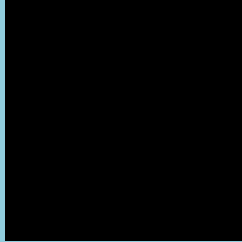
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8124, 0.2610, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 54.8124, 0.2610, 0.3084.



This preview shows how white text looks on a background with the Yxy color 54.8124, 0.2610, 0.3084.

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

54.8124, 0.2610, 0.3084

Protanopia

54.3324, 0.2975, 0.3038

Deuteranopia

54.4881, 0.2958, 0.2894



Tritanopia

54.8124, 0.2610, 0.3084

Trichromacy



Original Color

54.8124, 0.2610, 0.3084

Protanomaly

54.0562, 0.2824, 0.3043

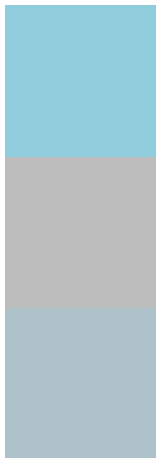
Deuteranomaly

54.0612, 0.2819, 0.2950

Tritanomaly

54.8124, 0.2610, 0.3084

Monochromacy



Original Color

54.8124, 0.2610, 0.3084

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.1315, 0.2915, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8124, 0.2610, 0.3084 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(144, 205, 221)` looks like.

```
.text, #text, p{  
    color:rgb(144, 205, 221)  
}
```

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(144, 205, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 205, 221) }
```

Border

The CSS property to change the border of an element to Yxy 54.8124, 0.2610, 0.3084 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(144, 205, 221) }
```

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

```
.border{ border-color:rgb(144, 205, 221) }
```

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

Here you see how a box with a 4 pixel rgb(144, 205, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 205, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 205, 221);  
box-shadow:4px 4px 4px 4px rgb(144, 205,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8124, 0.2610, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 205, 221) }
```

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

```
.background{ background-color: rgb(144,  
205, 221) }
```

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