

Converting Colors

$Y_{xy}(54.7732, 0.2576, 0.2942)$

Have a look what the booklet for
Yxy(54.7732, 0.2576, 0.2942)
contains.

Yxy(54.7773, 0.2575, 0.2938)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.7773, 0.2575, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	94CBE7
RGB	148, 203, 231
RGB Percent	58%, 80%, 91%
CMY	0.4192, 0.2040, 0.0940
CMYK	0.36, 0.12, 0.00, 0.09
HSL	200°, 63%, 74%
HSV	200°, 36%, 91%
XYZ	48.0094, 54.7773, 83.6575
YIQ	189.7470, -41.7680, -2.9520

Conversions

Conversions Part 2

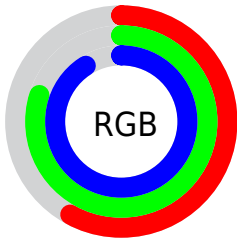
Format	Color
R _Y B	148, 181, 231
Decimal	9751527
CIE Lab	78.91, -10.91, -19.54
CIE LCh	79, 22.377, 240.823
Yxy	54.7773, 0.2575, 0.2938
Android (android.graphics.Color)	4287941607 (0xFF94CBE7)
YUV	189.7470, 20.3377, -36.6121
Hunter-Lab	74.0117, -13.7323, -15.2090

Details

The Yxy color **54.7773, 0.2575, 0.2938** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.2450, 0.3875, 0.3614**, and the grayscale version is **51.2525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **26.9697, 0.2442, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **49.2363, 0.2431, 0.2821**, and if you desaturate by 10%, it is **60.9386, 0.2726, 0.3048**.

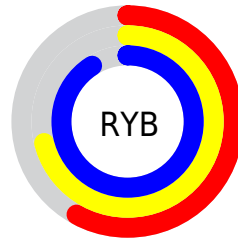
Distribution



Red (58%)

Green (80%)

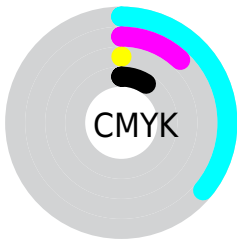
Blue (91%)



Red (58%)

Yellow (71%)

Blue (91%)

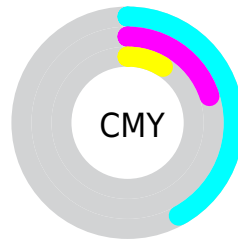


Cyan (36%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (42%)

Magenta (20%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7773, 0.2575, 0.2938 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 54.7773, 0.2575, 0.2938 by changing the saturation by 10% instead.


 54.7773, 0.2575,
0.2938


 54.7773, 0.2575,
0.2938

405.0672, 0.2838,
0.3112

 39.2234, 0.2513,
0.2896


 97.2146, 0.2668,
0.3000

 26.9336, 0.2437,
0.2842


 124.8668, 0.2703,
0.3024

 17.5234, 0.2338,
0.2772


157.3206, 0.2734,
0.3044

 10.6083, 0.2208,
0.2676

194.9604, 0.2760,
0.3062

 5.8041, 0.2029,
0.2540

238.1706, 0.2783,
0.3077

 2.7263, 0.1768,
0.2332

287.3355, 0.2804,

 0.9906, 0.1348,

0.3090

0.1988

342.8396, 0.2822,
0.3101

0.0000, 0.0000,
0.0000

54.7773, 0.2575,
0.2938

54.7773, 0.2575,
0.2938

49.2363, 0.2431,
0.2821

60.9386, 0.2726,
0.3048

44.2807, 0.2299,
0.2697

67.7400, 0.2881,
0.3149

39.8815, 0.2181,
0.2568

75.2081, 0.3036,
0.3240

36.0038, 0.2081,
0.2438

83.3659, 0.3190,
0.3323

32.6071, 0.2003,
0.2307

90.5627, 0.3281,
0.3398

■ 29.6422, 0.1944,
0.2179

■ 95.3150, 0.3273,
0.3474

■ 28.5156, 0.1924,
0.2127

■ 98.5506, 0.3268,
0.3522

Harmonies

Analogous

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



54.7773, 0.2606, 0.3168



54.7773, 0.2575, 0.2938



54.7773, 0.2682, 0.2815

Triad

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



54.7773, 0.2575, 0.2938



54.7773, 0.3487, 0.3127



54.7773, 0.3330, 0.3815

Complementary

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



54.7773, 0.2575, 0.2938



50.2450, 0.3875, 0.3614

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.



54.7773, 0.3580, 0.3775



54.7773, 0.2575, 0.2938



54.7773, 0.3677, 0.3371

Square

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



54.7773, 0.2575, 0.2938



54.7773, 0.3202, 0.2929



54.7773, 0.3710, 0.3607



54.7773, 0.3033, 0.3696

Rectangle

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



54.7773, 0.2575, 0.2938



54.7773, 0.2822, 0.2802



54.7773, 0.3710, 0.3607



54.7773, 0.3422, 0.3819

Sweetspot

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



54.7794, 0.2575, 0.2938



89.1585, 0.2956, 0.3194



66.5940, 0.2921, 0.4001



18.8131, 0.2935, 0.3181



0.0000, 0.0000, 0.0000



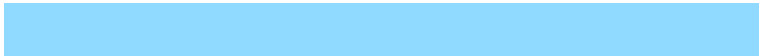
21.4041, 0.3127, 0.3290

Same Dimension

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



54.7794, 0.2575, 0.2938



63.3702, 0.2468, 0.2852



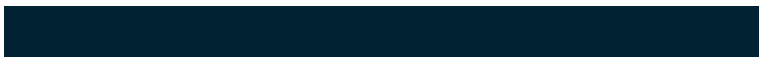
37.8937, 0.2499, 0.2394



15.4722, 0.2981, 0.3209



16.2217, 0.1930, 0.2147



1.3689, 0.1982, 0.2333

Inverse Universe

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



42.5186, 0.3425, 0.2679



46.6754, 0.3508, 0.2556



68.8638, 0.3715, 0.4049



14.5280, 0.3189, 0.3136



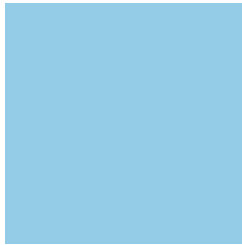
10.8353, 0.4289, 0.2137



0.8179, 0.4091, 0.2028

Previews

White Background



This preview shows how the Yxy color 54.7773, 0.2575, 0.2938 looks on a white background.

Color Contrast Check

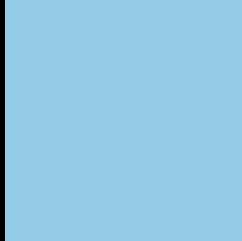
Large Text (above 18pt) WCAG AA × Fail

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 54.7773, 0.2575, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

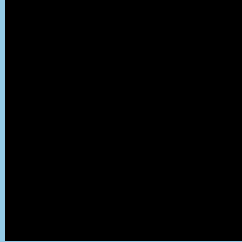
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.7773, 0.2575, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 54.7773, 0.2575, 0.2938.



This preview shows how white text looks on a background with the Yxy color 54.7773, 0.2575, 0.2938.

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

54.7773, 0.2575, 0.2938

Protanopia

54.3406, 0.2876, 0.2921

Deuteranopia

54.2368, 0.2845, 0.2779



Tritanopia

54.9941, 0.2621, 0.3085

Trichromacy



Original Color

54.7773, 0.2575, 0.2938

Protanomaly

54.4772, 0.2754, 0.2925

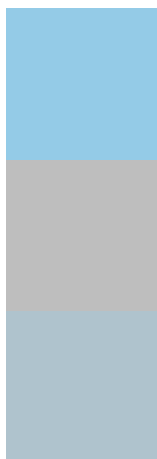
Deuteranomaly

54.2605, 0.2735, 0.2835

Tritanomaly

54.8250, 0.2603, 0.3023

Monochromacy



Original Color

54.7773, 0.2575, 0.2938

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.5520, 0.2902, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7773, 0.2575, 0.2938 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(148, 203, 231)` looks like.

```
.text, #text, p{  
    color:rgb(148, 203, 231)  
}
```

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(148, 203, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 203, 231) }
```

Border

The CSS property to change the border of an element to Yxy 54.7773, 0.2575, 0.2938 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(148, 203, 231) }
```

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

```
.border{ border-color:rgb(148, 203, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 203, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 203, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 203, 231); box-shadow:4px 4px 4px 4px rgb(148, 203, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7773, 0.2575, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 203, 231) }
```

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

```
.background{ background-color: rgb(148,  
203, 231) }
```

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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