

Converting Colors

$Yxy(51.4698, 0.2628, 0.2925)$

Have a look what the booklet for
Yxy(51.4698, 0.2628, 0.2925)
contains.

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Color

Yxy(51.6340, 0.2632, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	99C4E0
RGB	153, 196, 224
RGB Percent	60%, 77%, 88%
CMY	0.4003, 0.2313, 0.1216
CMYK	0.32, 0.12, 0.00, 0.12
HSL	204°, 53%, 74%
HSV	204°, 32%, 88%
XYZ	46.3193, 51.6340, 78.0318
YIQ	186.3350, -34.6160, -0.4080

Conversions

Conversions Part 2

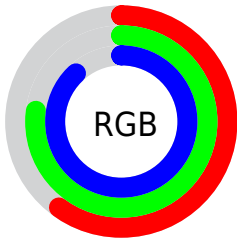
Format	Color
R _Y B	153, 180, 224
Decimal	10077408
CIE Lab	77.06, -7.66, -18.53
CIE LCh	77, 20.048, 247.544
Yxy	51.6340, 0.2632, 0.2934
Android (android.graphics.Color)	4288267488 (0xFF99C4E0)
YUV	186.3350, 18.5688, -29.2348
Hunter-Lab	71.8568, -10.6874, -14.0853

Details

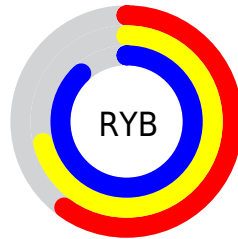
The Yxy color **51.6340, 0.2632, 0.2934** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.1458, 0.3749, 0.3619**, and the grayscale version is **49.2025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0259, 0.2854, 0.3269**, and **24.9199, 0.2505, 0.2826** is the 20% darker color. If you saturate the color by 10%, you get **45.7976, 0.2479, 0.2800**, and if you desaturate by 10%, it is **58.1171, 0.2789, 0.3058**.

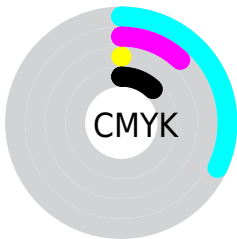
Distribution



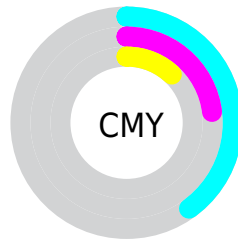
- Red (60%)
- Green (77%)
- Blue (88%)



- Red (60%)
- Yellow (71%)
- Blue (88%)



- Cyan (32%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)



- Cyan (40%)
- Magenta (23%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6340, 0.2632, 0.2934 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 51.6340, 0.2632, 0.2934 by changing the saturation by 10% instead.

■ 51.6340, 0.2632,
0.2934

■ 51.6340, 0.2632,
0.2934

393.0220, 0.2871,
0.3110

■ 36.7134, 0.2575,
0.2891

■ 92.5912, 0.2717,
0.2998

■ 24.9857, 0.2504,
0.2836

■ 119.3967, 0.2749,
0.3022

■ 16.0664, 0.2411,
0.2764

150.9326, 0.2777,
0.3042

■ 9.5711, 0.2287,
0.2666

187.5833, 0.2801,
0.3059

■ 5.1156, 0.2114,
0.2524

229.7332, 0.2822,
0.3075

■ 2.3152, 0.1856,
0.2305

277.7666, 0.2840,

■ 0.7817, 0.1379,

0.3088

0.1938

332.0681, 0.2856,
0.3100

0.0000, 0.0000,
0.0000

51.6340, 0.2632,
0.2934

51.6340, 0.2632,
0.2934

45.7976, 0.2479,
0.2800

58.1171, 0.2789,
0.3058

40.5748, 0.2335,
0.2657

65.2659, 0.2946,
0.3171

35.9385, 0.2203,
0.2508

73.1058, 0.3101,
0.3274

31.8562, 0.2087,
0.2355

81.6590, 0.3251,
0.3365

28.2912, 0.1991,
0.2202

89.0157, 0.3328,
0.3449

■ 25.2004, 0.1917,
0.2051

■ 94.3348, 0.3317,
0.3534

■ 22.9436, 0.1869,
0.1929

■ 98.1608, 0.3310,
0.3592

Harmonies

Analogous

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



51.6340, 0.2632, 0.3126



51.6340, 0.2632, 0.2934



51.6340, 0.2758, 0.2845

Triad

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



51.6340, 0.2632, 0.2934



51.6340, 0.3505, 0.3190



51.6340, 0.3254, 0.3756

Complementary

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



51.6340, 0.2632, 0.2934



51.1458, 0.3749, 0.3619

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.



51.6340, 0.3498, 0.3754



51.6340, 0.2632, 0.2934



51.6340, 0.3649, 0.3417

Square

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



51.6340, 0.2632, 0.2934



51.6340, 0.3258, 0.2993



51.6340, 0.3645, 0.3624



51.6340, 0.2983, 0.3617

Rectangle

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



51.6340, 0.2632, 0.2934



51.6340, 0.2900, 0.2849



51.6340, 0.3645, 0.3624



51.6340, 0.3342, 0.3771

Sweetspot

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



51.6360, 0.2632, 0.2934



89.2440, 0.2972, 0.3189



63.3690, 0.2922, 0.3855



18.7947, 0.2950, 0.3174



0.0000, 0.0000, 0.0000



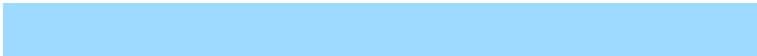
21.4041, 0.3127, 0.3290

Same Dimension

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



51.6360, 0.2632, 0.2934



64.0565, 0.2531, 0.2847



37.7137, 0.2576, 0.2468



14.6196, 0.2981, 0.3196



13.5874, 0.1875, 0.1951



1.1148, 0.1939, 0.2180

Inverse Universe

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



42.5911, 0.3418, 0.2795



50.7507, 0.3499, 0.2691



67.0960, 0.3631, 0.3996



13.8395, 0.3198, 0.3149



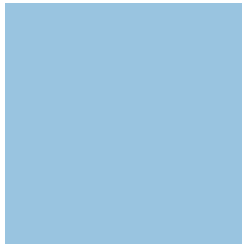
10.2797, 0.4508, 0.2257



0.7300, 0.4254, 0.2117

Previews

White Background



This preview shows how the Yxy color 51.6340, 0.2632, 0.2934 looks on a white background.

Color Contrast Check

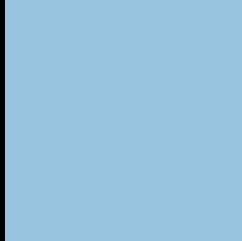
Large Text (above 18pt) WCAG AA × Fail

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 51.6340, 0.2632, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

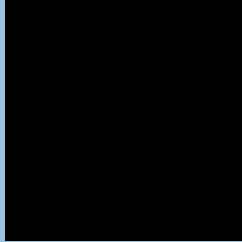
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6340, 0.2632, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 51.6340, 0.2632, 0.2934.



This preview shows how white text looks on a background with the Yxy color 51.6340, 0.2632, 0.2934.

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

51.6340, 0.2632, 0.2934

Protanopia

51.2713, 0.2870, 0.2912

Deuteranopia

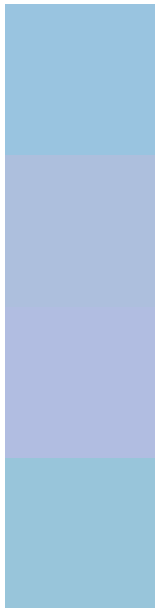
51.1361, 0.2866, 0.2802



Tritanopia

51.8225, 0.2682, 0.3082

Trichromacy



Original Color

51.6340, 0.2632, 0.2934

Protanomaly

51.3663, 0.2779, 0.2918

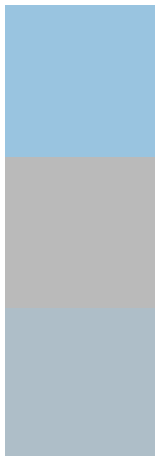
Deuteranomaly

51.1785, 0.2780, 0.2850

Tritanomaly

51.6699, 0.2663, 0.3019

Monochromacy



Original Color

51.6340, 0.2632, 0.2934

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.9957, 0.2927, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6340, 0.2632, 0.2934 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(153, 196, 224)` looks like.

```
.text, #text, p{  
    color:rgb(153, 196, 224)  
}
```

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(153, 196, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 196, 224) }
```

Border

The CSS property to change the border of an element to Yxy 51.6340, 0.2632, 0.2934 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(153, 196, 224) }
```

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

```
.border{ border-color:rgb(153, 196, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 196, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 196, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 196, 224);  
box-shadow:4px 4px 4px 4px rgb(153, 196,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6340, 0.2632, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 196, 224) }
```

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

```
.background{ background-color: rgb(153,  
196, 224) }
```

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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