

Converting Colors

$Y_{xy}(50.0226, 0.2672, 0.2925)$

Have a look what the booklet for
Yxy(50.0226, 0.2672, 0.2925)
contains.

Yxy(50.0347, 0.2676, 0.2932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.0347, 0.2676, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	9DC0DC
RGB	157, 192, 220
RGB Percent	62%, 75%, 86%
CMY	0.3844, 0.2470, 0.1373
CMYK	0.29, 0.13, 0.00, 0.14
HSL	207°, 47%, 74%
HSV	207°, 29%, 86%
XYZ	45.6660, 50.0347, 74.9497
YIQ	184.7270, -29.8480, 1.2880

Conversions

Conversions Part 2

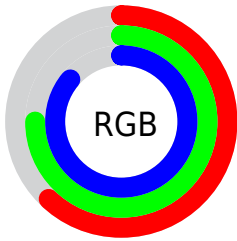
Format	Color
R _{YB}	157, 180, 220
Decimal	10338524
CIE Lab	76.09, -5.33, -17.81
CIE LCh	76, 18.594, 253.339
Yxy	50.0347, 0.2676, 0.2932
Android (android.graphics.Color)	4288528604 (0xFF9DC0DC)
YUV	184.7270, 17.3896, -24.3166
Hunter-Lab	70.7352, -8.5485, -13.3079

Details

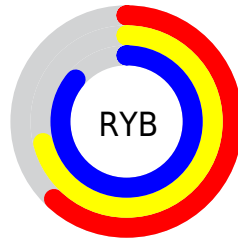
The Yxy color **50.0347, 0.2676, 0.2932** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.3201, 0.3664, 0.3622**, and the grayscale version is **48.2680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5009, 0.2874, 0.3217**, and **24.1249, 0.2558, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **43.8728, 0.2517, 0.2783**, and if you desaturate by 10%, it is **56.8835, 0.2836, 0.3069**.

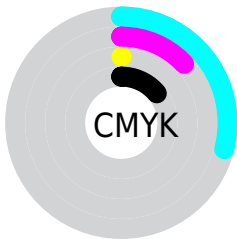
Distribution



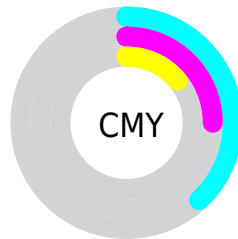
- Red (62%)
- Green (75%)
- Blue (86%)



- Red (62%)
- Yellow (71%)
- Blue (86%)



- Cyan (29%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)



- Cyan (38%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0347, 0.2676, 0.2932 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 50.0347, 0.2676, 0.2932 by changing the saturation by 10% instead.

■ 50.0347, 0.2676,
0.2932

■ 50.0347, 0.2676,
0.2932

■ 386.8016, 0.2896,
0.3109

■ 35.4410, 0.2623,
0.2888

■ 90.2263, 0.2754,
0.2996

■ 24.0028, 0.2557,
0.2833

■ 116.5929, 0.2784,
0.3020

■ 15.3357, 0.2470,
0.2760

■ 147.6527, 0.2810,
0.3041

■ 9.0553, 0.2353,
0.2661

■ 183.7899, 0.2831,
0.3058

■ 4.7773, 0.2188,
0.2517

■ 225.3890, 0.2851,
0.3074

■ 2.1172, 0.1937,
0.2293

■ 272.8344, 0.2867,

■ 0.6743, 0.1434,

0.3087

0.1893

326.5105, 0.2882,
0.3099

0.0000, 0.0000,
0.0000

50.0347, 0.2676,
0.2932

50.0347, 0.2676,
0.2932

43.8728, 0.2517,
0.2783

56.8835, 0.2836,
0.3069

38.3649, 0.2364,
0.2624

64.4383, 0.2994,
0.3193

33.4839, 0.2221,
0.2456

72.7247, 0.3148,
0.3304

29.1981, 0.2092,
0.2283

81.7651, 0.3295,
0.3404

25.4720, 0.1982,
0.2109

89.2411, 0.3353,
0.3497

■ 22.2643, 0.1894,
0.1938

■ 95.1729, 0.3339,
0.3590

■ 19.5157, 0.1828,
0.1774

■ 97.9465, 0.3334,
0.3631

■ 19.1682, 0.1820,
0.1752

Harmonies

Analogous

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



50.0347, 0.2652, 0.3096



50.0347, 0.2676, 0.2932



50.0347, 0.2815, 0.2868

Triad

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



50.0347, 0.2676, 0.2932



50.0347, 0.3517, 0.3237



50.0347, 0.3197, 0.3710

Complementary

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



50.0347, 0.2676, 0.2932



52.3201, 0.3664, 0.3622

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.



50.0347, 0.3436, 0.3735



50.0347, 0.2676, 0.2932



50.0347, 0.3627, 0.3451

Square

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



50.0347, 0.2676, 0.2932



50.0347, 0.3299, 0.3043



50.0347, 0.3596, 0.3635



50.0347, 0.2946, 0.3557

Rectangle

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



50.0347, 0.2676, 0.2932



50.0347, 0.2959, 0.2885



50.0347, 0.3596, 0.3635



50.0347, 0.3282, 0.3734

Sweetspot

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



50.0367, 0.2676, 0.2932



89.5757, 0.2987, 0.3188



61.8159, 0.2921, 0.3749



18.8292, 0.2964, 0.3170



0.0000, 0.0000, 0.0000



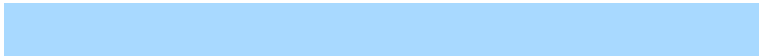
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0367, 0.2676, 0.2932



64.9537, 0.2586, 0.2850



37.8811, 0.2632, 0.2519



13.8121, 0.2982, 0.3184



11.4770, 0.1827, 0.1776



0.9144, 0.1902, 0.2045

Inverse Universe

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



43.1234, 0.3412, 0.2880



54.3607, 0.3486, 0.2797



66.6477, 0.3570, 0.3959



13.1722, 0.3205, 0.3161



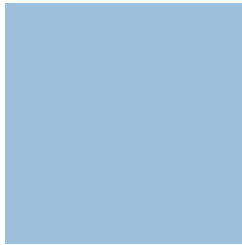
9.7824, 0.4714, 0.2370



0.6510, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 50.0347, 0.2676, 0.2932 looks on a white background.

Color Contrast Check

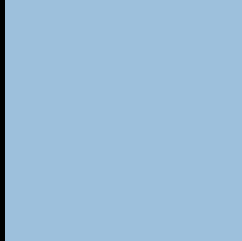
Large Text (above 18pt) WCAG AA × Fail

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 50.0347, 0.2676, 0.2932 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

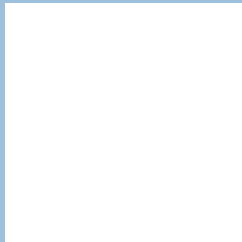
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0347, 0.2676, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 50.0347, 0.2676, 0.2932.



This preview shows how white text looks on a background with the Yxy color 50.0347, 0.2676, 0.2932.

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

50.0347, 0.2676, 0.2932

Protanopia

50.0208, 0.2875, 0.2920

Deuteranopia

49.8323, 0.2878, 0.2820



Tritanopia

50.1556, 0.2733, 0.3093

Trichromacy



Original Color

50.0347, 0.2676, 0.2932

Protanomaly

49.8604, 0.2802, 0.2927

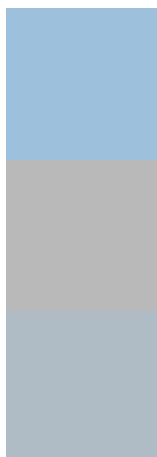
Deuteranomaly

49.6854, 0.2804, 0.2858

Tritanomaly

50.0119, 0.2714, 0.3030

Monochromacy



Original Color

50.0347, 0.2676, 0.2932

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.1576, 0.2949, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0347, 0.2676, 0.2932 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(157, 192, 220)` looks like.

```
.text, #text, p{  
    color:rgb(157, 192, 220)  
}
```

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(157, 192, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 192, 220) }
```

Border

The CSS property to change the border of an element to Yxy 50.0347, 0.2676, 0.2932 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(157, 192, 220) }
```

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

```
.border{ border-color:rgb(157, 192, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 192, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 192, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 192, 220);  
box-shadow:4px 4px 4px 4px rgb(157, 192,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0347, 0.2676, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 192, 220) }
```

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

```
.background{ background-color: rgb(157,  
192, 220) }
```

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