

Converting Colors

$Yxy(52.5882, 0.2664, 0.2966)$

Have a look what the booklet for
Yxy(52.5882, 0.2664, 0.2966)
contains.

Yxy(52.4283, 0.2665, 0.2961)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.4283, 0.2665, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	9DC5DF
RGB	157, 197, 223
RGB Percent	62%, 77%, 87%
CMY	0.3844, 0.2274, 0.1255
CMYK	0.30, 0.12, 0.00, 0.13
HSL	204°, 51%, 75%
HSV	204°, 30%, 87%
XYZ	47.1872, 52.4283, 77.4473
YIQ	188.0040, -32.1860, -0.3940

Conversions

Conversions Part 2

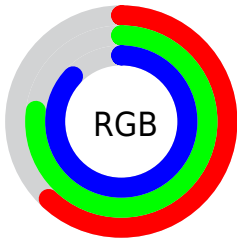
Format	Color
R _{YB}	157, 182, 223
Decimal	10339807
CIE Lab	77.54, -7.26, -17.26
CIE LCh	78, 18.726, 247.184
Yxy	52.4283, 0.2665, 0.2961
Android (android.graphics.Color)	4288529887 (0xFF9DC5DF)
YUV	188.0040, 17.2530, -27.1905
Hunter-Lab	72.4074, -10.3861, -12.7317

Details

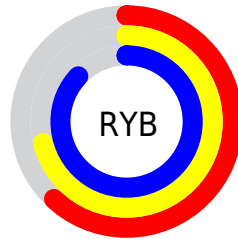
The Yxy color **52.4283, 0.2665, 0.2961** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.9798, 0.3698, 0.3596**, and the grayscale version is **50.2048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2498, 0.2877, 0.3279**, and **25.4151, 0.2546, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **46.5162, 0.2511, 0.2829**, and if you desaturate by 10%, it is **58.9862, 0.2822, 0.3083**.

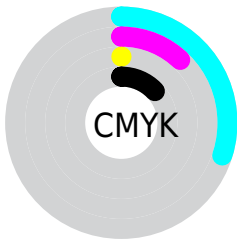
Distribution



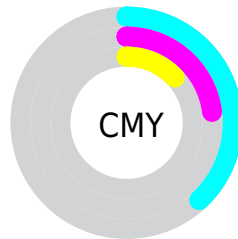
- Red (62%)
- Green (77%)
- Blue (87%)



- Red (62%)
- Yellow (71%)
- Blue (87%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (38%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4283, 0.2665, 0.2961 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 52.4283, 0.2665, 0.2961 by changing the saturation by 10% instead.

■ 52.4283, 0.2665,
0.2961

■ 52.4283, 0.2665,
0.2961

■ 396.0879, 0.2888,
0.3124

■ 37.3466, 0.2612,
0.2921

■ 93.7626, 0.2744,
0.3020

■ 25.4759, 0.2545,
0.2871

■ 120.7839, 0.2774,
0.3042

■ 16.4320, 0.2459,
0.2804

■ 152.5540, 0.2800,
0.3060

■ 9.8304, 0.2344,
0.2714

■ 189.4570, 0.2822,
0.3077

■ 5.2866, 0.2182,
0.2584

■ 231.8776, 0.2842,
0.3091

■ 2.4164, 0.1940,
0.2382

■ 280.2000, 0.2859,

■ 0.8343, 0.1508,

0.3103

0.2043

334.8086, 0.2874,
0.3114

0.0000, 0.0000,
0.0000

52.4283, 0.2665,
0.2961

52.4283, 0.2665,
0.2961

46.5162, 0.2511,
0.2829

58.9862, 0.2822,
0.3083

41.2174, 0.2365,
0.2688

66.2081, 0.2979,
0.3194

36.5056, 0.2230,
0.2540

74.1190, 0.3133,
0.3294

32.3495, 0.2110,
0.2388

82.7406, 0.3283,
0.3383

28.7138, 0.2010,
0.2234

89.4461, 0.3333,
0.3467

■ 25.5573, 0.1931,
0.2082

■ 94.7679, 0.3322,
0.3551

■ 22.8138, 0.1871,
0.1934

■ 98.1080, 0.3315,
0.3601

■ 22.7115, 0.1869,
0.1929

Harmonies

Analogous

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



52.4283, 0.2666, 0.3141



52.4283, 0.2665, 0.2961



52.4283, 0.2781, 0.2876

Triad

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



52.4283, 0.2665, 0.2961



52.4283, 0.3476, 0.3195



52.4283, 0.3248, 0.3722

Complementary

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



52.4283, 0.2665, 0.2961



51.9798, 0.3698, 0.3596

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.



52.4283, 0.3474, 0.3720



52.4283, 0.2665, 0.2961



52.4283, 0.3611, 0.3407

Square

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



52.4283, 0.2665, 0.2961



52.4283, 0.3246, 0.3012



52.4283, 0.3610, 0.3600



52.4283, 0.2996, 0.3595

Rectangle

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



52.4283, 0.2665, 0.2961



52.4283, 0.2913, 0.2878



52.4283, 0.3610, 0.3600



52.4283, 0.3330, 0.3736

Sweetspot

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



52.4304, 0.2665, 0.2961



90.2736, 0.2987, 0.3199



63.3335, 0.2935, 0.3811



19.0013, 0.2965, 0.3184



0.0000, 0.0000, 0.0000



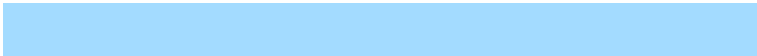
21.4041, 0.3127, 0.3290

Same Dimension

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



52.4304, 0.2665, 0.2961



65.6149, 0.2562, 0.2874



39.2902, 0.2618, 0.2532



14.6191, 0.2981, 0.3195



13.5796, 0.1875, 0.1951



1.1143, 0.1939, 0.2179

Inverse Universe

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



43.8276, 0.3393, 0.2829



52.6323, 0.3473, 0.2723



66.8773, 0.3596, 0.3949



13.8394, 0.3198, 0.3149



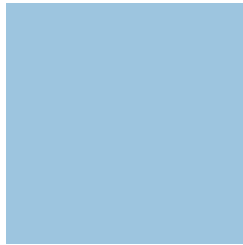
10.2789, 0.4509, 0.2258



0.7299, 0.4255, 0.2118

Previews

White Background



This preview shows how the Yxy color 52.4283, 0.2665, 0.2961 looks on a white background.

Color Contrast Check

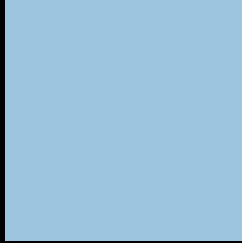
Large Text (above 18pt) WCAG AA × Fail

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 52.4283, 0.2665, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

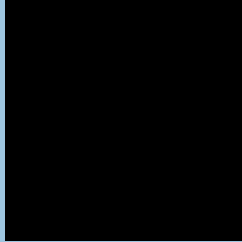
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

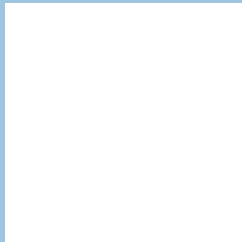
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.4283, 0.2665, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 52.4283, 0.2665, 0.2961.



This preview shows how white text looks on a background with the Yxy color 52.4283, 0.2665, 0.2961.

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

52.4283, 0.2665, 0.2961

Protanopia

52.3280, 0.2893, 0.2950

Deuteranopia

52.3143, 0.2897, 0.2840



Tritanopia

52.2118, 0.2708, 0.3083

Trichromacy



Original Color

52.4283, 0.2665, 0.2961

Protanomaly

52.4212, 0.2801, 0.2957

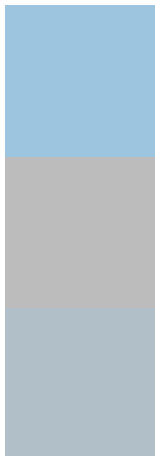
Deuteranomaly

52.3467, 0.2810, 0.2889

Tritanomaly

52.4658, 0.2696, 0.3046

Monochromacy



Original Color

52.4283, 0.2665, 0.2961

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.8258, 0.2944, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4283, 0.2665, 0.2961 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, 197, 223)` looks like.

```
.text, #text, p{  
    color:rgb(157, 197, 223)  
}
```

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, 197, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 197, 223) }
```

Border

The CSS property to change the border of an element to Yxy 52.4283, 0.2665, 0.2961 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, 197, 223) }
```

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

```
.border{ border-color:rgb(157, 197, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 197, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 197, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 197, 223);  
box-shadow:4px 4px 4px 4px rgb(157, 197,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4283, 0.2665, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 197, 223) }
```

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

```
.background{ background-color: rgb(157,  
197, 223) }
```

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