

Converting Colors

$Y_{xy}(49.6836, 0.2662, 0.3040)$

Have a look what the booklet for
Yxy(49.6836, 0.2662, 0.3040)
contains.

Yxy(49.6836, 0.2662, 0.3040)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.6836, 0.2662, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	94C2D5
RGB	148, 194, 213
RGB Percent	58%, 76%, 84%
CMY	0.4198, 0.2391, 0.1647
CMYK	0.31, 0.09, 0.00, 0.16
HSL	198°, 44%, 71%
HSV	198°, 31%, 84%
XYZ	43.5058, 49.6836, 70.2435
YIQ	182.4120, -33.5150, -3.8430

Conversions

Conversions Part 2

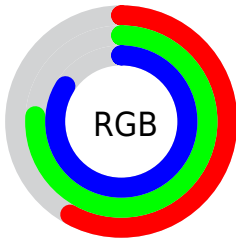
Format	Color
RYB	148, 175, 213
Decimal	9749205
CIELab	75.87, -10.68, -14.41
CIELCh	76, 17.933, 233.467
Yxy	49.6836, 0.2662, 0.3040
Android (android.graphics.Color)	4287939285 (0xFF94C2D5)
YUV	182.4120, 15.0799, -30.1793
Hunter-Lab	70.4866, -13.1775, -9.7449

Details

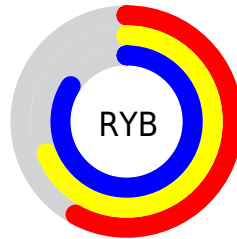
The Yxy color **49.6836, 0.2662, 0.3040** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8892, 0.3742, 0.3526**, and the grayscale version is **46.9401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9109, 0.2819, 0.3247**, and **23.6577, 0.2541, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **45.1711, 0.2519, 0.2944**, and if you desaturate by 10%, it is **54.6811, 0.2812, 0.3130**.

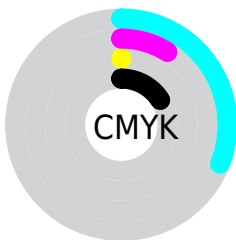
Distribution



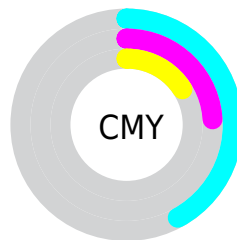
- Red (58%)
- Green (76%)
- Blue (84%)



- Red (58%)
- Yellow (69%)
- Blue (84%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (16%)



- Cyan (42%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6836, 0.2662, 0.3040 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 49.6836, 0.2662, 0.3040 by changing the saturation by 10% instead.

■ 49.6836, 0.2662,
0.3040

■ 49.6836, 0.2662,
0.3040

■ 385.4273, 0.2888,
0.3166

■ 35.1621, 0.2608,
0.3008

■ 89.7059, 0.2743,
0.3086

■ 23.7877, 0.2539,
0.2967

■ 115.9755, 0.2774,
0.3103

■ 15.1762, 0.2449,
0.2913

■ 146.9298, 0.2800,
0.3118

■ 8.9432, 0.2328,
0.2837

■ 182.9534, 0.2822,
0.3131

■ 4.7041, 0.2156,
0.2724

■ 224.4305, 0.2842,
0.3141

■ 2.0747, 0.1895,
0.2541

■ 271.7456, 0.2859,

■ 0.6504, 0.1218,

0.3151

0.2216

325.2831, 0.2875,
0.3159

0.0000, 0.0000,
0.0000

49.6836, 0.2662,
0.3040

49.6836, 0.2662,
0.3040

45.1711, 0.2519,
0.2944

54.6811, 0.2812,
0.3130

41.1162, 0.2386,
0.2841

60.1776, 0.2965,
0.3212

37.4975, 0.2266,
0.2735

66.1936, 0.3119,
0.3286

34.2890, 0.2164,
0.2625

72.7468, 0.3271,
0.3353

31.4611, 0.2080,
0.2514

79.8538, 0.3419,
0.3413

■ 28.9790, 0.2017,
0.2404

■ 83.3828, 0.3413,
0.3474

■ 26.8920, 0.1973,
0.2301

■ 86.9290, 0.3403,
0.3535

■ 90.6000, 0.3393,
0.3595

■ 94.3970, 0.3383,
0.3654

Harmonies

Analogous

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



49.6836, 0.2717, 0.3247



49.6836, 0.2662, 0.3040



49.6836, 0.2725, 0.2911

Triad

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



49.6836, 0.2662, 0.3040



49.6836, 0.3372, 0.3109



49.6836, 0.3354, 0.3726

Complementary

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



49.6836, 0.2662, 0.3040



43.8892, 0.3742, 0.3526

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.



49.6836, 0.3540, 0.3668



49.6836, 0.2662, 0.3040



49.6836, 0.3554, 0.3309

Square

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



49.6836, 0.2662, 0.3040



49.6836, 0.3128, 0.2957



49.6836, 0.3615, 0.3512



49.6836, 0.3111, 0.3658

Rectangle

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



49.6836, 0.2662, 0.3040



49.6836, 0.2826, 0.2882



49.6836, 0.3615, 0.3512



49.6836, 0.3425, 0.3720

Sweetspot

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



49.6856, 0.2662, 0.3040



91.7067, 0.2987, 0.3223



56.6432, 0.2970, 0.3920



19.3552, 0.2965, 0.3212



0.0000, 0.0000, 0.0000



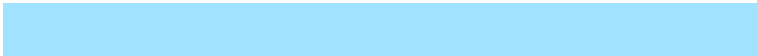
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6856, 0.2662, 0.3040



69.9598, 0.2563, 0.2975



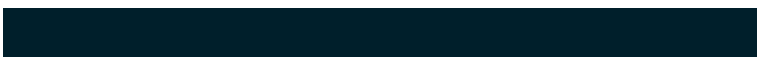
36.9476, 0.2612, 0.2598



13.4674, 0.2982, 0.3220



16.6116, 0.1977, 0.2317



1.1416, 0.2029, 0.2505

Inverse Universe

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



39.2025, 0.3338, 0.2740



52.2000, 0.3400, 0.2616



57.0824, 0.3631, 0.3897



12.5681, 0.3182, 0.3126



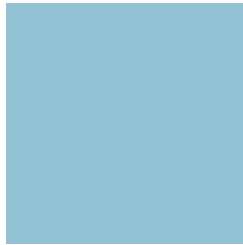
10.0218, 0.4109, 0.2037



0.6186, 0.3917, 0.1932

Previews

White Background



This preview shows how the Yxy color 49.6836, 0.2662, 0.3040 looks on a white background.

Color Contrast Check

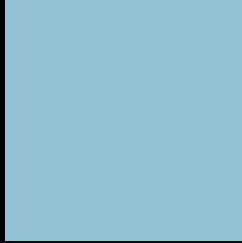
Large Text (above 18pt) WCAG AA × Fail

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 49.6836, 0.2662, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

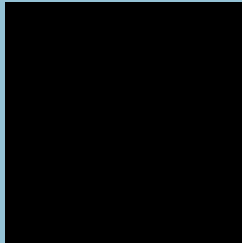
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6836, 0.2662, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 49.6836, 0.2662, 0.3040.



This preview shows how white text looks on a background with the Yxy color 49.6836, 0.2662, 0.3040.

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

49.6836, 0.2662, 0.3040

Protanopia

49.3933, 0.2954, 0.3016

Deuteranopia

49.4901, 0.2943, 0.2878



Tritanopia

49.4398, 0.2674, 0.3078

Trichromacy



Original Color

49.6836, 0.2662, 0.3040

Protanomaly

49.2278, 0.2841, 0.3022

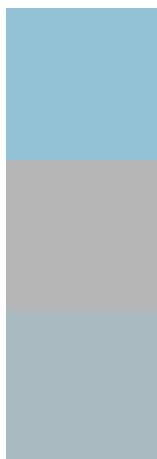
Deuteranomaly

49.1381, 0.2829, 0.2926

Tritanomaly

49.4898, 0.2668, 0.3065

Monochromacy



Original Color

49.6836, 0.2662, 0.3040

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5141, 0.2945, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6836, 0.2662, 0.3040 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, 194, 213)` looks like.

```
.text, #text, p{  
    color:rgb(148, 194, 213)  
}
```

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, 194, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 194, 213) }
```

Border

The CSS property to change the border of an element to Yxy 49.6836, 0.2662, 0.3040 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, 194, 213) }
```

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

```
.border{ border-color:rgb(148, 194, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 194, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 194, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 194, 213);  
box-shadow:4px 4px 4px 4px rgb(148, 194,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6836, 0.2662, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 194, 213) }
```

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

```
.background{ background-color: rgb(148,  
194, 213) }
```

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