

Converting Colors

$Yxy(46.8658, 0.2678, 0.3009)$

Have a look what the booklet for
Yxy(46.8658, 0.2678, 0.3009)
contains.

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Color

Yxy(46.8658, 0.2678, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	94BCD1
RGB	148, 188, 209
RGB Percent	58%, 74%, 82%
CMY	0.4195, 0.2628, 0.1803
CMYK	0.29, 0.10, 0.00, 0.18
HSL	201°, 40%, 70%
HSV	201°, 29%, 82%
XYZ	41.7104, 46.8658, 67.1759
YIQ	178.4340, -30.5810, -1.9490

Conversions

Conversions Part 2

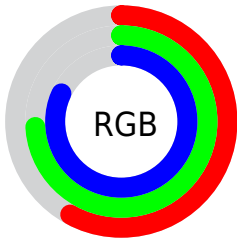
Format	Color
RYB	148, 172, 209
Decimal	9747665
CIELab	74.10, -8.42, -14.91
CIElCh	74, 17.122, 240.550
Yxy	46.8658, 0.2678, 0.3009
Android (android.graphics.Color)	4287937745 (0xFF94BCD1)
YUV	178.4340, 15.0690, -26.6906
Hunter-Lab	68.4586, -11.0462, -10.2580

Details

The Yxy color **46.8658, 0.2678, 0.3009** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0929, 0.3695, 0.3554**, and the grayscale version is **44.6982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6179, 0.2814, 0.3174**, and **22.1274, 0.2550, 0.2923** is the 20% darker color. If you saturate the color by 10%, you get **42.0891, 0.2529, 0.2895**, and if you desaturate by 10%, it is **52.1519, 0.2832, 0.3114**.

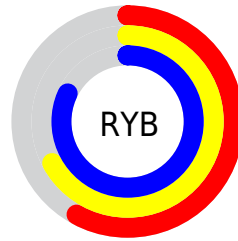
Distribution



Red (58%)

Green (74%)

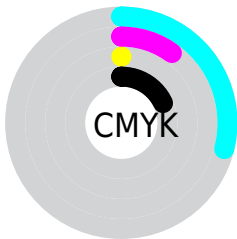
Blue (82%)



Red (58%)

Yellow (67%)

Blue (82%)

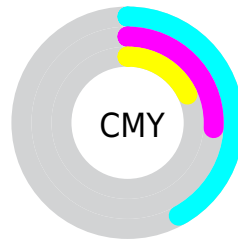


Cyan (29%)

Magenta (10%)

Yellow (0%)

Black (18%)



Cyan (42%)

Magenta (26%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8658, 0.2678, 0.3009 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 46.8658, 0.2678, 0.3009 by changing the saturation by 10% instead.

■ 46.8658, 0.2678,
0.3009

■ 46.8658, 0.2678,
0.3009

■ 374.2786, 0.2899,
0.3151

■ 32.9296, 0.2624,
0.2973

■ 85.5133, 0.2757,
0.3061

■ 22.0725, 0.2556,
0.2927

■ 110.9933, 0.2787,
0.3081

■ 13.9102, 0.2466,
0.2865

■ 141.0901, 0.2813,
0.3097

■ 8.0582, 0.2344,
0.2778

■ 176.1880, 0.2835,
0.3111

■ 4.1322, 0.2168,
0.2650

■ 216.6714, 0.2854,
0.3123

■ 1.7478, 0.1896,
0.2439

■ 262.9247, 0.2871,

■ 0.4543, 0.0968,

0.3134

0.1943

315.3323, 0.2886,
0.3143

0.0000, 0.0000,
0.0000

46.8658, 0.2678,
0.3009

46.8658, 0.2678,
0.3009

42.0891, 0.2529,
0.2895

52.1519, 0.2832,
0.3114

37.7950, 0.2388,
0.2774

57.9614, 0.2986,
0.3210

33.9623, 0.2260,
0.2647

64.3147, 0.3140,
0.3297

30.5658, 0.2147,
0.2516

71.2292, 0.3290,
0.3374

27.5767, 0.2052,
0.2383

78.7216, 0.3434,
0.3443

■ 24.9618, 0.1979,
0.2251

■ 83.1398, 0.3440,
0.3514

■ 22.6672, 0.1924,
0.2121

■ 87.2613, 0.3427,
0.3584

■ 22.4860, 0.1920,
0.2111

■ 91.5508, 0.3415,
0.3653

■ 96.0101, 0.3403,
0.3720

Harmonies

Analogous

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



46.8658, 0.2705, 0.3196



46.8658, 0.2678, 0.3009



46.8658, 0.2765, 0.2906

Triad

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



46.8658, 0.2678, 0.3009



46.8658, 0.3416, 0.3157



46.8658, 0.3295, 0.3710

Complementary

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



46.8658, 0.2678, 0.3009



44.0929, 0.3695, 0.3554

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.



46.8658, 0.3495, 0.3681



46.8658, 0.2678, 0.3009



46.8658, 0.3568, 0.3357

Square

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



46.8658, 0.2678, 0.3009



46.8658, 0.3186, 0.2994



46.8658, 0.3597, 0.3549



46.8658, 0.3055, 0.3615

Rectangle

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



46.8658, 0.2678, 0.3009



46.8658, 0.2879, 0.2893



46.8658, 0.3597, 0.3549



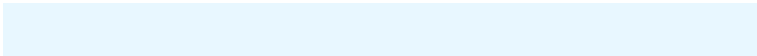
46.8658, 0.3369, 0.3714

Sweetspot

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



46.8677, 0.2678, 0.3009



90.9604, 0.2987, 0.3211



54.7467, 0.2957, 0.3843



19.1708, 0.2965, 0.3197



0.0000, 0.0000, 0.0000



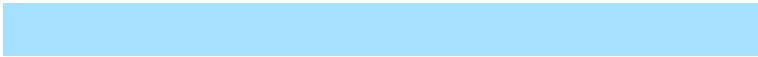
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8677, 0.2678, 0.3009



68.7384, 0.2584, 0.2939



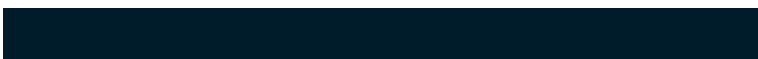
35.4258, 0.2633, 0.2592



12.6923, 0.2983, 0.3208



14.0526, 0.1925, 0.2129



0.9305, 0.1991, 0.2367

Inverse Universe

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



38.3795, 0.3358, 0.2803



53.8363, 0.3422, 0.2697



56.4739, 0.3596, 0.3903



11.9369, 0.3190, 0.3139



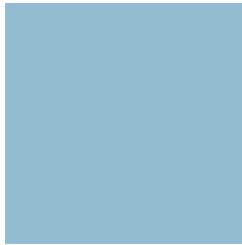
9.4899, 0.4309, 0.2147



0.5452, 0.4057, 0.2008

Previews

White Background



This preview shows how the Yxy color 46.8658, 0.2678, 0.3009 looks on a white background.

Color Contrast Check

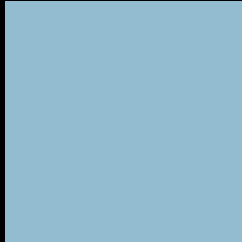
Large Text (above 18pt) WCAG AA × Fail

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 46.8658, 0.2678, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

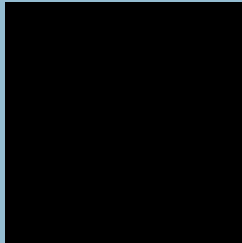
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

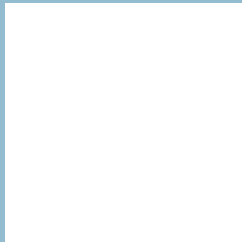
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8658, 0.2678, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 46.8658, 0.2678, 0.3009.



This preview shows how white text looks on a background with the Yxy color 46.8658, 0.2678, 0.3009.

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

46.8658, 0.2678, 0.3009

Protanopia

46.4671, 0.2927, 0.2984

Deuteranopia

46.4617, 0.2931, 0.2867



Tritanopia

46.9579, 0.2704, 0.3087

Trichromacy



Original Color

46.8658, 0.2678, 0.3009

Protanomaly

46.5387, 0.2828, 0.2991

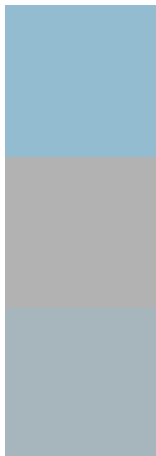
Deuteranomaly

46.4715, 0.2837, 0.2919

Tritanomaly

47.0545, 0.2691, 0.3061

Monochromacy



Original Color

46.8658, 0.2678, 0.3009

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3455, 0.2950, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8658, 0.2678, 0.3009 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, 188, 209)` looks like.

```
.text, #text, p{  
    color:rgb(148, 188, 209)  
}
```

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, 188, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 188, 209) }
```

Border

The CSS property to change the border of an element to Yxy 46.8658, 0.2678, 0.3009 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, 188, 209) }
```

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

```
.border{ border-color:rgb(148, 188, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 188, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 188, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 188, 209); box-shadow:4px 4px 4px 4px rgb(148, 188, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8658, 0.2678, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 188, 209) }
```

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

```
.background{ background-color: rgb(148,  
188, 209) }
```

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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