

Converting Colors

$Yxy(46.4985, 0.2684, 0.3036)$

Have a look what the booklet for
Yxy(46.4985, 0.2684, 0.3036)
contains.

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Color

Yxy(46.6745, 0.2684, 0.3034)

Conversions

Conversions Part 1

Format	Color
Hex	93BCCF
RGB	147, 188, 207
RGB Percent	58%, 74%, 81%
CMY	0.4232, 0.2628, 0.1882
CMYK	0.29, 0.09, 0.00, 0.19
HSL	199°, 38%, 69%
HSV	199°, 29%, 81%
XYZ	41.2902, 46.6745, 65.8735
YIQ	177.9070, -30.5350, -2.7830

Conversions

Conversions Part 2

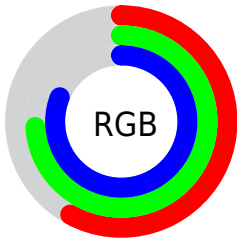
Format	Color
RYB	147, 171, 207
Decimal	9682127
CIELab	73.98, -9.17, -14.01
CIELCh	74, 16.747, 236.803
Yxy	46.6745, 0.2684, 0.3034
Android (android.graphics.Color)	4287872207 (0xFF93BCCF)
YUV	177.9070, 14.3428, -27.1054
Hunter-Lab	68.3187, -11.6768, -9.3448

Details

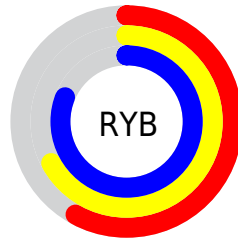
The Yxy color **46.6745, 0.2684, 0.3034** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6898, 0.3695, 0.3532**, and the grayscale version is **44.4129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4779, 0.2808, 0.3173**, and **22.0075, 0.2557, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **42.1858, 0.2537, 0.2930**, and if you desaturate by 10%, it is **51.6393, 0.2836, 0.3130**.

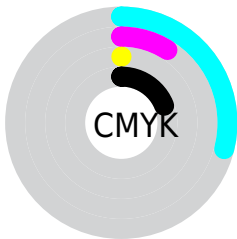
Distribution



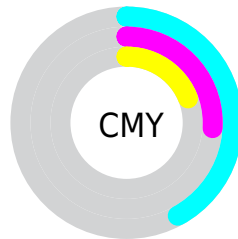
- Red (58%)
- Green (74%)
- Blue (81%)



- Red (58%)
- Yellow (67%)
- Blue (81%)



- Cyan (29%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)



- Cyan (42%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6745, 0.2684, 0.3034 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 46.6745, 0.2684, 0.3034 by changing the saturation by 10% instead.

■ 46.6745, 0.2684,
0.3034

■ 46.6745, 0.2684,
0.3034

■ 373.5138, 0.2902,
0.3164

■ 32.7784, 0.2631,
0.3001

■ 85.2275, 0.2762,
0.3082

■ 21.9567, 0.2563,
0.2958

■ 110.6533, 0.2792,
0.3100

■ 13.8251, 0.2474,
0.2901

■ 140.6911, 0.2817,
0.3115

■ 7.9991, 0.2353,
0.2821

■ 175.7252, 0.2839,
0.3127

■ 4.0944, 0.2178,
0.2700

■ 216.1402, 0.2858,
0.3139

■ 1.7265, 0.1906,
0.2501

■ 262.3203, 0.2874,

■ 0.4407, 0.0893,

0.3148

0.2017

314.6500, 0.2889,
0.3157

0.0000, 0.0000,
0.0000

46.6745, 0.2684,
0.3034

46.6745, 0.2684,
0.3034

42.1858, 0.2537,
0.2930

51.6393, 0.2836,
0.3130

38.1474, 0.2400,
0.2819

57.0933, 0.2990,
0.3218

34.5394, 0.2274,
0.2703

63.0560, 0.3143,
0.3298

31.3374, 0.2165,
0.2583

69.5440, 0.3293,
0.3369

28.5142, 0.2074,
0.2462

76.5729, 0.3439,
0.3433

■ 26.0379, 0.2004,
0.2341

■ 80.9362, 0.3460,
0.3497

■ 23.8577, 0.1952,
0.2222

■ 84.6099, 0.3448,
0.3561

■ 23.6393, 0.1947,
0.2210

■ 88.4224, 0.3437,
0.3625

■ 92.3752, 0.3425,
0.3687

Harmonies

Analogous

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



46.6745, 0.2725, 0.3225



46.6745, 0.2684, 0.3034



46.6745, 0.2756, 0.2921

Triad

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



46.6745, 0.2684, 0.3034



46.6745, 0.3385, 0.3137



46.6745, 0.3319, 0.3704

Complementary

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



46.6745, 0.2684, 0.3034



42.6898, 0.3695, 0.3532

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.



46.6745, 0.3506, 0.3662



46.6745, 0.2684, 0.3034



46.6745, 0.3546, 0.3331

Square

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



46.6745, 0.2684, 0.3034



46.6745, 0.3155, 0.2984



46.6745, 0.3591, 0.3522



46.6745, 0.3086, 0.3626

Rectangle

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



46.6745, 0.2684, 0.3034



46.6745, 0.2860, 0.2899



46.6745, 0.3591, 0.3522



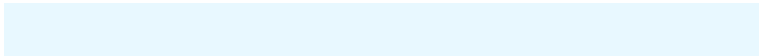
46.6745, 0.3390, 0.3703

Sweetspot

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



46.6764, 0.2684, 0.3034



91.3426, 0.2987, 0.3217



53.5991, 0.2965, 0.3852



19.2652, 0.2965, 0.3205



0.0000, 0.0000, 0.0000



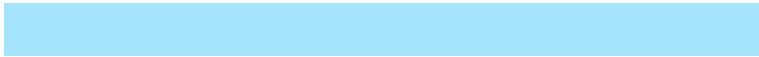
21.4041, 0.3127, 0.3290

Same Dimension

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



46.6764, 0.2684, 0.3034



70.0530, 0.2588, 0.2968



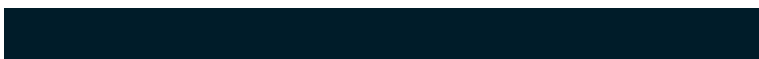
35.1936, 0.2639, 0.2613



12.7476, 0.2983, 0.3214



15.0682, 0.1952, 0.2226



0.9819, 0.2012, 0.2444

Inverse Universe

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



37.7905, 0.3339, 0.2788



53.9690, 0.3401, 0.2674



54.8690, 0.3595, 0.3887



11.9425, 0.3186, 0.3133



9.5924, 0.4204, 0.2090



0.5504, 0.3978, 0.1965

Previews

White Background



This preview shows how the Yxy color 46.6745, 0.2684, 0.3034 looks on a white background.

Color Contrast Check

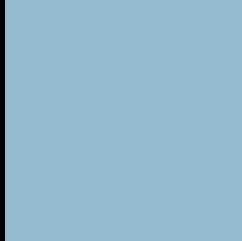
Large Text (above 18pt) WCAG AA × Fail

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 46.6745, 0.2684, 0.3034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

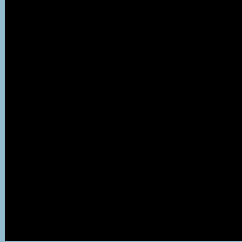
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6745, 0.2684, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 46.6745, 0.2684, 0.3034.



This preview shows how white text looks on a background with the Yxy color 46.6745, 0.2684, 0.3034.

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

46.6745, 0.2684, 0.3034

Protanopia

46.3718, 0.2941, 0.3008

Deuteranopia

46.4868, 0.2954, 0.2892



Tritanopia

46.8658, 0.2697, 0.3087

Trichromacy



Original Color

46.6745, 0.2684, 0.3034

Protanomaly

46.4421, 0.2842, 0.3016

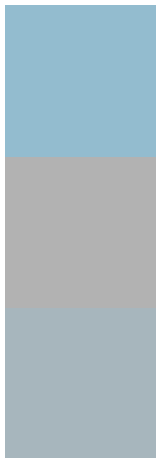
Deuteranomaly

46.3725, 0.2851, 0.2943

Tritanomaly

46.9140, 0.2691, 0.3074

Monochromacy



Original Color

46.6745, 0.2684, 0.3034

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 46.6745, 0.2684, 0.3034 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(147, 188, 207)` looks like.

```
.text, #text, p{  
    color:rgb(147, 188, 207)  
}
```

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(147, 188, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 188, 207) }
```

Border

The CSS property to change the border of an element to Yxy 46.6745, 0.2684, 0.3034 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(147, 188, 207) }
```

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

```
.border{ border-color:rgb(147, 188, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 188, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 188, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 188, 207);  
box-shadow:4px 4px 4px 4px rgb(147, 188,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6745, 0.2684, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 188, 207) }
```

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

```
.background{ background-color: rgb(147,  
188, 207) }
```

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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