

Converting Colors

$Yxy(46.5486, 0.2640, 0.2965)$

Have a look what the booklet for
Yxy(46.5486, 0.2640, 0.2965)
contains.

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Color

Yxy(46.7396, 0.2639, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	91BCD4
RGB	145, 188, 212
RGB Percent	57%, 74%, 83%
CMY	0.4314, 0.2627, 0.1685
CMYK	0.32, 0.11, 0.00, 0.17
HSL	202°, 44%, 70%
HSV	202°, 32%, 83%
XYZ	41.5446, 46.7396, 69.1412
YIQ	177.8790, -33.3320, -1.6520

Conversions

Conversions Part 2

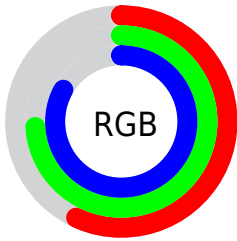
Format	Color
R _{YB}	145, 171, 212
Decimal	9551060
CIE _{Lab}	74.02, -8.57, -16.69
CIE _{LCh}	74, 18.766, 242.816
Yxy	46.7396, 0.2639, 0.2969
Android (android.graphics.Color)	4287741140 (0xFF91BCD4)
YUV	177.8790, 16.8217, -28.8349
Hunter-Lab	68.3664, -11.1711, -12.1055

Details

The Yxy color **46.7396, 0.2639, 0.2969** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.4266, 0.3753, 0.3589**, and the grayscale version is **44.3760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2007, 0.2797, 0.3173**, and **22.0376, 0.2510, 0.2887** is the 20% darker color. If you saturate the color by 10%, you get **41.8301, 0.2490, 0.2848**, and if you desaturate by 10%, it is **52.1832, 0.2793, 0.3081**.

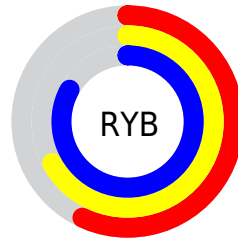
Distribution



Red (57%)

Green (74%)

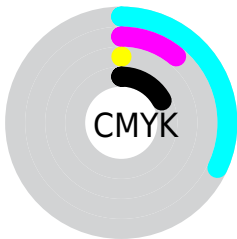
Blue (83%)



Red (57%)

Yellow (67%)

Blue (83%)

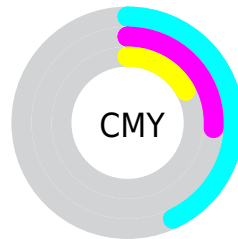


Cyan (32%)

Magenta (11%)

Yellow (0%)

Black (17%)



Cyan (43%)

Magenta (26%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7396, 0.2639, 0.2969 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 46.7396, 0.2639, 0.2969 by changing the saturation by 10% instead.

■ 46.7396, 0.2639,
0.2969

■ 46.7396, 0.2639,
0.2969

373.7742, 0.2879,
0.3131

■ 32.8298, 0.2581,
0.2928

■ 85.3248, 0.2725,
0.3028

■ 21.9961, 0.2507,
0.2876

■ 110.7690, 0.2758,
0.3050

■ 13.8541, 0.2410,
0.2806

140.8269, 0.2785,
0.3069

■ 8.0192, 0.2279,
0.2708

175.8827, 0.2809,
0.3085

■ 4.1073, 0.2091,
0.2563

216.3210, 0.2830,
0.3099

■ 1.7337, 0.1803,
0.2330

262.5261, 0.2848,

■ 0.4454, 0.0860,

0.3111

0.1790

314.8823, 0.2864,
0.3122

0.0000, 0.0000,
0.0000

46.7396, 0.2639,
0.2969

46.7396, 0.2639,
0.2969

41.8301, 0.2490,
0.2848

52.1832, 0.2793,
0.3081

37.4265, 0.2350,
0.2720

58.1765, 0.2948,
0.3183

33.5060, 0.2223,
0.2586

64.7408, 0.3102,
0.3276

30.0413, 0.2113,
0.2448

71.8949, 0.3253,
0.3359

27.0014, 0.2021,
0.2310

79.6564, 0.3399,
0.3433

■ 24.3497, 0.1951,
0.2173

■ 84.6321, 0.3415,
0.3506

■ 22.3760, 0.1906,
0.2060

■ 89.0424, 0.3403,
0.3580

■ 93.6404, 0.3391,
0.3652

■ 97.5352, 0.3381,
0.3710

Harmonies

Analogous

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



46.7396, 0.2659, 0.3168



46.7396, 0.2639, 0.2969



46.7396, 0.2743, 0.2865

Triad

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



46.7396, 0.2639, 0.2969



46.7396, 0.3460, 0.3160



46.7396, 0.3291, 0.3749

Complementary

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



46.7396, 0.2639, 0.2969



44.4266, 0.3753, 0.3589

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.



46.7396, 0.3516, 0.3726



46.7396, 0.2639, 0.2969



46.7396, 0.3619, 0.3379

Square

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



46.7396, 0.2639, 0.2969



46.7396, 0.3212, 0.2978



46.7396, 0.3639, 0.3586



46.7396, 0.3028, 0.3635

Rectangle

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



46.7396, 0.2639, 0.2969



46.7396, 0.2871, 0.2857



46.7396, 0.3639, 0.3586



46.7396, 0.3374, 0.3757

Sweetspot

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



46.7415, 0.2639, 0.2969



90.7682, 0.2987, 0.3208



55.9662, 0.2937, 0.3883



19.1233, 0.2965, 0.3194



0.0000, 0.0000, 0.0000



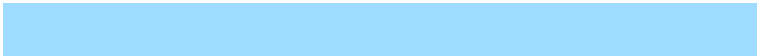
21.4041, 0.3127, 0.3290

Same Dimension

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



46.7415, 0.2639, 0.2969



65.8288, 0.2537, 0.2888



34.2294, 0.2584, 0.2506



13.3243, 0.2982, 0.3204



14.0046, 0.1911, 0.2079



0.9987, 0.1976, 0.2312

Inverse Universe

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



37.8786, 0.3392, 0.2771



50.9296, 0.3468, 0.2658



58.2760, 0.3635, 0.3968



12.5536, 0.3192, 0.3141



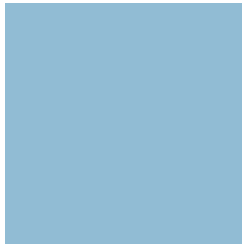
9.7586, 0.4364, 0.2178



0.6041, 0.4114, 0.2040

Previews

White Background



This preview shows how the Yxy color 46.7396, 0.2639, 0.2969 looks on a white background.

Color Contrast Check

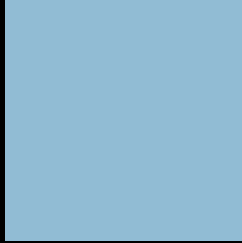
Large Text (above 18pt) WCAG AA × Fail

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 46.7396, 0.2639, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

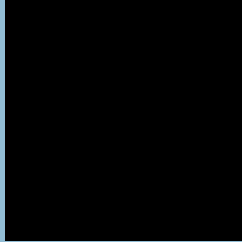
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7396, 0.2639, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 46.7396, 0.2639, 0.2969.



This preview shows how white text looks on a background with the Yxy color 46.7396, 0.2639, 0.2969.

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

46.7396, 0.2639, 0.2969

Protanopia

46.4946, 0.2897, 0.2946

Deuteranopia

46.3666, 0.2893, 0.2830



Tritanopia

46.5945, 0.2677, 0.3086

Trichromacy



Original Color

46.7396, 0.2639, 0.2969

Protanomaly

46.4698, 0.2793, 0.2952

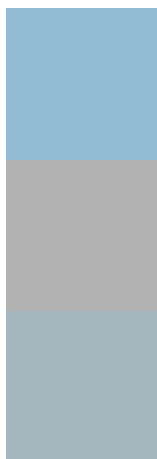
Deuteranomaly

46.2869, 0.2794, 0.2880

Tritanomaly

46.8295, 0.2665, 0.3047

Monochromacy



Original Color

46.7396, 0.2639, 0.2969

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.2806, 0.2934, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7396, 0.2639, 0.2969 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(145, 188, 212)` looks like.

```
.text, #text, p{  
    color:rgb(145, 188, 212)  
}
```

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(145, 188, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 188, 212) }
```

Border

The CSS property to change the border of an element to Yxy 46.7396, 0.2639, 0.2969 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(145, 188, 212) }
```

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

```
.border{ border-color:rgb(145, 188, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 188, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 188, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 188, 212);  
box-shadow:4px 4px 4px 4px rgb(145, 188,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7396, 0.2639, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 188, 212) }
```

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

```
.background{ background-color: rgb(145,  
188, 212) }
```

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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