

Converting Colors

$Y_{xy}(45.8254, 0.2680, 0.2891)$

Have a look what the booklet for
Yxy(45.8254, 0.2680, 0.2891)
contains.

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Color

Yxy(46.0060, 0.2682, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	9AB8D6
RGB	154, 184, 214
RGB Percent	60%, 72%, 84%
CMY	0.3960, 0.2784, 0.1608
CMYK	0.28, 0.14, 0.00, 0.16
HSL	210°, 42%, 72%
HSV	210°, 28%, 84%
XYZ	42.6064, 46.0060, 70.2481
YIQ	178.4500, -27.5100, 2.9700

Conversions

Conversions Part 2

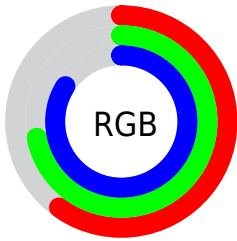
Format	Color
RYB	154, 174, 214
Decimal	10139862
CIELab	73.55, -3.33, -18.42
CIELCh	74, 18.720, 259.763
Yxy	46.0060, 0.2682, 0.2896
Android (android.graphics.Color)	4288329942 (0xFF9AB8D6)
YUV	178.4500, 17.5262, -21.4426
Hunter-Lab	67.8277, -6.5727, -13.9263

Details

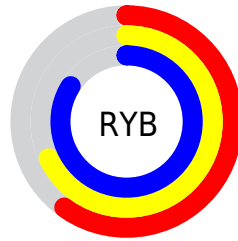
The Yxy color **46.0060, 0.2682, 0.2896** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.9165, 0.3639, 0.3654**, and the grayscale version is **44.6904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0955, 0.2846, 0.3133**, and **21.5025, 0.2559, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **39.8119, 0.2518, 0.2728**, and if you desaturate by 10%, it is **52.9145, 0.2845, 0.3050**.

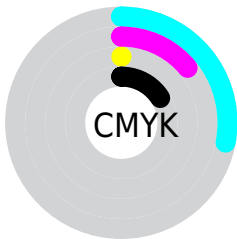
Distribution



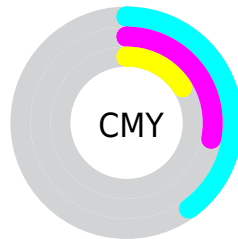
- Red (60%)
- Green (72%)
- Blue (84%)



- Red (60%)
- Yellow (68%)
- Blue (84%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (40%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0060, 0.2682, 0.2896 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 46.0060, 0.2682, 0.2896 by changing the saturation by 10% instead.

■ 46.0060, 0.2682,
0.2896

■ 46.0060, 0.2682,
0.2896

370.8328, 0.2902,
0.3093

■ 32.2506, 0.2628,
0.2847

■ 84.2280, 0.2761,
0.2967

■ 21.5529, 0.2560,
0.2785

■ 109.4633, 0.2791,
0.2994

■ 13.5288, 0.2470,
0.2702

139.2940, 0.2817,
0.3017

■ 7.7937, 0.2347,
0.2589

174.1046, 0.2838,
0.3036

■ 3.9632, 0.2171,
0.2423

214.2793, 0.2857,
0.3053

■ 1.6530, 0.1898,
0.2161

260.2027, 0.2874,

■ 0.3929, 0.1118,

0.3068

0.1504

312.2590, 0.2889,
0.3081

0.0000, 0.0000,
0.0000

46.0060, 0.2682,
0.2896

46.0060, 0.2682,
0.2896

39.8119, 0.2518,
0.2728

52.9145, 0.2845,
0.3050

34.2995, 0.2358,
0.2548

60.5574, 0.3004,
0.3189

29.4412, 0.2207,
0.2358

68.9608, 0.3157,
0.3313

25.2049, 0.2069,
0.2163

78.1476, 0.3302,
0.3424

21.5550, 0.1949,
0.1967

86.9802, 0.3396,
0.3525

■ 18.4508, 0.1853,
0.1777

■ 93.3817, 0.3380,
0.3627

■ 15.8370, 0.1780,
0.1596

■ 97.6347, 0.3370,
0.3691

■ 15.3638, 0.1767,
0.1561

Harmonies

Analogous

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



46.0060, 0.2631, 0.3045



46.0060, 0.2682, 0.2896



46.0060, 0.2848, 0.2854

Triad

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



46.0060, 0.2682, 0.2896



46.0060, 0.3566, 0.3282



46.0060, 0.3142, 0.3702

Complementary

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



46.0060, 0.2682, 0.2896



50.9165, 0.3639, 0.3654

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.



46.0060, 0.3398, 0.3757



46.0060, 0.2682, 0.2896



46.0060, 0.3650, 0.3501

Square

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



46.0060, 0.2682, 0.2896



46.0060, 0.3360, 0.3073



46.0060, 0.3587, 0.3678



46.0060, 0.2889, 0.3520

Rectangle

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



46.0060, 0.2682, 0.2896



46.0060, 0.3007, 0.2887



46.0060, 0.3587, 0.3678



46.0060, 0.3231, 0.3736

Sweetspot

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



46.0078, 0.2682, 0.2896



89.9964, 0.3003, 0.3188



58.4233, 0.2901, 0.3682



18.8780, 0.2979, 0.3168



0.0000, 0.0000, 0.0000



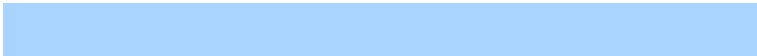
21.4041, 0.3127, 0.3290

Same Dimension

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



46.0078, 0.2682, 0.2896



62.4844, 0.2579, 0.2792



34.8451, 0.2640, 0.2484



13.0241, 0.2982, 0.3170



9.4952, 0.1774, 0.1587



0.7383, 0.1861, 0.1900

Inverse Universe

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



40.8742, 0.3436, 0.2930



54.1114, 0.3530, 0.2845



64.7193, 0.3548, 0.3986



12.5233, 0.3214, 0.3174



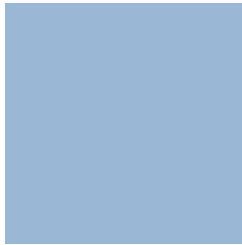
9.3034, 0.4948, 0.2499



0.5778, 0.4567, 0.2290

Previews

White Background



This preview shows how the Yxy color 46.0060, 0.2682, 0.2896 looks on a white background.

Color Contrast Check

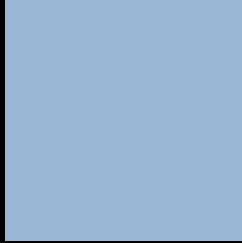
Large Text (above 18pt) WCAG AA × Fail

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 46.0060, 0.2682, 0.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

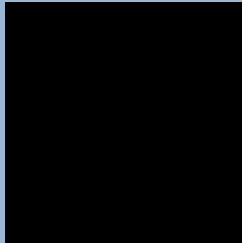
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

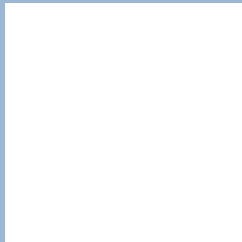
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0060, 0.2682, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 46.0060, 0.2682, 0.2896.



This preview shows how white text looks on a background with the Yxy color 46.0060, 0.2682, 0.2896.

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

46.0060, 0.2682, 0.2896

Protanopia

45.9420, 0.2844, 0.2883

Deuteranopia

45.7118, 0.2854, 0.2791



Tritanopia

45.9142, 0.2747, 0.3087

Trichromacy



Original Color

46.0060, 0.2682, 0.2896

Protanomaly

46.0167, 0.2786, 0.2891

Deuteranomaly

45.8044, 0.2793, 0.2832

Tritanomaly

45.8296, 0.2720, 0.3009

Monochromacy



Original Color

46.0060, 0.2682, 0.2896

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.8391, 0.2950, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0060, 0.2682, 0.2896 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(154, 184, 214)` looks like.

```
.text, #text, p{  
    color:rgb(154, 184, 214)  
}
```

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(154, 184, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 184, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.0060, 0.2682, 0.2896 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(154, 184, 214) }
```

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

```
.border{ border-color:rgb(154, 184, 214) }
```

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

Here you see how a box with a 4 pixel rgb(154, 184, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 184, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 184, 214);  
box-shadow:4px 4px 4px 4px rgb(154, 184,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0060, 0.2682, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 184, 214) }
```

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

```
.background{ background-color: rgb(154,  
184, 214) }
```

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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