

Converting Colors

$Y_{xy}(46.2813, 0.2605, 0.2924)$

Have a look what the booklet for
Yxy(46.2813, 0.2605, 0.2924)
contains.

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Color

Yxy(46.1977, 0.2600, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	8EBBD7
RGB	142, 187, 215
RGB Percent	56%, 73%, 84%
CMY	0.4431, 0.2667, 0.1568
CMYK	0.34, 0.13, 0.00, 0.16
HSL	203°, 48%, 70%
HSV	203°, 34%, 84%
XYZ	41.1914, 46.1977, 71.0393
YIQ	176.7370, -35.8080, -0.8320

Conversions

Conversions Part 2

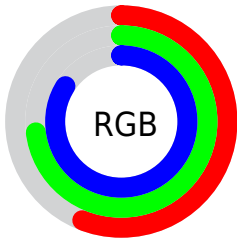
Format	Color
RYB	142, 170, 215
Decimal	9354199
CIELab	73.67, -8.15, -18.85
CIELCh	74, 20.539, 246.633
Yxy	46.1977, 0.2600, 0.2916
Android (android.graphics.Color)	4287544279 (0xFF8EBBD7)
YUV	176.7370, 18.8637, -30.4643
Hunter-Lab	67.9689, -10.7687, -14.3901

Details

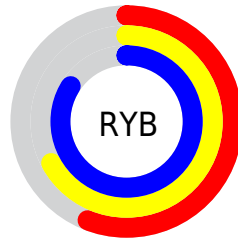
The Yxy color **46.1977, 0.2600, 0.2916** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.1510, 0.3806, 0.3634**, and the grayscale version is **43.7355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1915, 0.2779, 0.3162**, and **21.7121, 0.2461, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **41.0783, 0.2450, 0.2784**, and if you desaturate by 10%, it is **51.8885, 0.2755, 0.3039**.

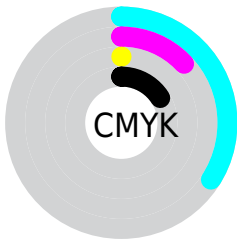
Distribution



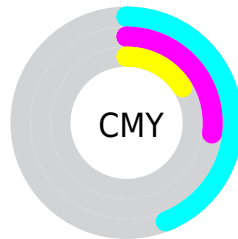
- Red (56%)
- Green (73%)
- Blue (84%)



- Red (56%)
- Yellow (67%)
- Blue (84%)



- Cyan (34%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1977, 0.2600, 0.2916 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 46.1977, 0.2600, 0.2916 by changing the saturation by 10% instead.

■ 46.1977, 0.2600,
0.2916

■ 46.1977, 0.2600,
0.2916

■ 371.6029, 0.2859,
0.3105

■ 32.4019, 0.2537,
0.2869

■ 84.5148, 0.2693,
0.2985

■ 21.6686, 0.2457,
0.2808

■ 109.8048, 0.2728,
0.3011

■ 13.6136, 0.2354,
0.2727

■ 139.6951, 0.2758,
0.3032

■ 7.8524, 0.2213,
0.2615

■ 174.5699, 0.2784,
0.3051

■ 4.0007, 0.2012,
0.2450

■ 214.8137, 0.2806,
0.3067

■ 1.6739, 0.1707,
0.2188

■ 260.8109, 0.2826,

■ 0.4067, 0.0723,

0.3081

0.1567

312.9458, 0.2843,
0.3094

0.0000, 0.0000,
0.0000

46.1977, 0.2600,
0.2916

46.1977, 0.2600,
0.2916

41.0783, 0.2450,
0.2784

51.8885, 0.2755,
0.3039

36.5002, 0.2310,
0.2644

58.1680, 0.2912,
0.3151

32.4387, 0.2182,
0.2498

65.0592, 0.3067,
0.3253

28.8640, 0.2072,
0.2350

72.5823, 0.3218,
0.3344

25.7421, 0.1982,
0.2201

80.7562, 0.3364,
0.3425

■ 23.0326, 0.1914,
0.2055

■ 86.4366, 0.3391,
0.3504

■ 21.5556, 0.1880,
0.1968

■ 91.3087, 0.3379,
0.3584

■ 96.4030, 0.3366,
0.3662

■ 97.6866, 0.3363,
0.3681

Harmonies

Analogous

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



46.1977, 0.2604, 0.3122



46.1977, 0.2600, 0.2916



46.1977, 0.2729, 0.2819

Triad

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



46.1977, 0.2600, 0.2916



46.1977, 0.3522, 0.3176



46.1977, 0.3269, 0.3789

Complementary

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



46.1977, 0.2600, 0.2916



45.1510, 0.3806, 0.3634

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.



46.1977, 0.3527, 0.3780



46.1977, 0.2600, 0.2916



46.1977, 0.3680, 0.3416

Square

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



46.1977, 0.2600, 0.2916



46.1977, 0.3257, 0.2970



46.1977, 0.3681, 0.3638



46.1977, 0.2982, 0.3645

Rectangle

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



46.1977, 0.2600, 0.2916



46.1977, 0.2878, 0.2821



46.1977, 0.3681, 0.3638



46.1977, 0.3363, 0.3803

Sweetspot

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



46.1995, 0.2600, 0.2916



89.3980, 0.2972, 0.3191



57.2564, 0.2910, 0.3901



18.8320, 0.2950, 0.3177



0.0000, 0.0000, 0.0000



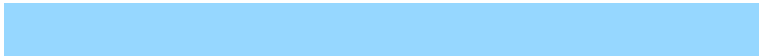
21.4041, 0.3127, 0.3290

Same Dimension

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



46.1995, 0.2600, 0.2916



62.2962, 0.2488, 0.2819



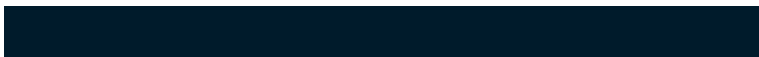
32.6353, 0.2533, 0.2403



13.2706, 0.2982, 0.3198



13.1028, 0.1886, 0.1990



0.9482, 0.1955, 0.2239

Inverse Universe

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



37.3818, 0.3436, 0.2752



48.1177, 0.3529, 0.2634



60.7792, 0.3666, 0.4044



12.5482, 0.3196, 0.3147



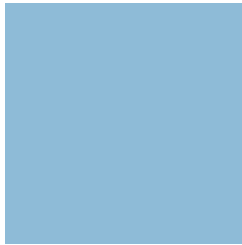
9.6676, 0.4464, 0.2233



0.5990, 0.4191, 0.2082

Previews

White Background



This preview shows how the Yxy color 46.1977, 0.2600, 0.2916 looks on a white background.

Color Contrast Check

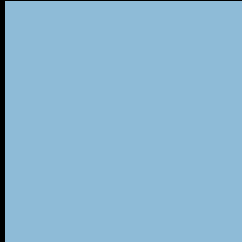
Large Text (above 18pt) WCAG AA × Fail

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 46.1977, 0.2600, 0.2916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

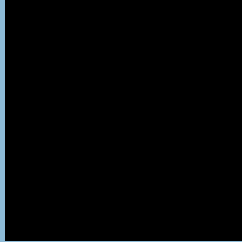
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

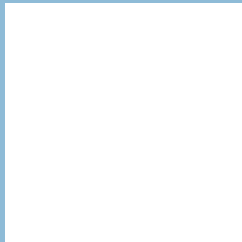
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1977, 0.2600, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 46.1977, 0.2600, 0.2916.



This preview shows how white text looks on a background with the Yxy color 46.1977, 0.2600, 0.2916.

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

46.1977, 0.2600, 0.2916

Protanopia

46.0073, 0.2859, 0.2895

Deuteranopia

45.7637, 0.2847, 0.2780



Tritanopia

46.2438, 0.2651, 0.3084

Trichromacy



Original Color

46.1977, 0.2600, 0.2916

Protanomaly

45.9959, 0.2757, 0.2901

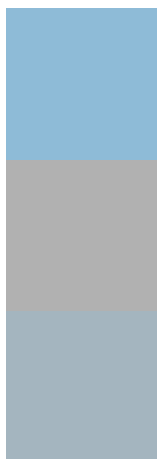
Deuteranomaly

45.7074, 0.2750, 0.2829

Tritanomaly

46.0960, 0.2631, 0.3018

Monochromacy



Original Color

46.1977, 0.2600, 0.2916

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.7018, 0.2911, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1977, 0.2600, 0.2916 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(142, 187, 215)` looks like.

```
.text, #text, p{  
    color:rgb(142, 187, 215)  
}
```

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(142, 187, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 187, 215) }
```

Border

The CSS property to change the border of an element to Yxy 46.1977, 0.2600, 0.2916 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(142, 187, 215) }
```

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

```
.border{ border-color:rgb(142, 187, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 187, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 187, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 187, 215);  
box-shadow:4px 4px 4px 4px rgb(142, 187,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1977, 0.2600, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 187, 215) }
```

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

```
.background{ background-color: rgb(142,  
187, 215) }
```

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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