

Converting Colors

$Y_{xy}(46.5428, 0.2612, 0.2938)$

Have a look what the booklet for
Yxy(46.5428, 0.2612, 0.2938)
contains.

Yxy(46.6611, 0.2614, 0.2943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.6611, 0.2614, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	8FBCD6
RGB	143, 188, 214
RGB Percent	56%, 74%, 84%
CMY	0.4393, 0.2627, 0.1608
CMYK	0.33, 0.12, 0.00, 0.16
HSL	202°, 46%, 70%
HSV	202°, 33%, 84%
XYZ	41.4448, 46.6611, 70.4435
YIQ	177.5090, -35.1660, -1.4540

Conversions

Conversions Part 2

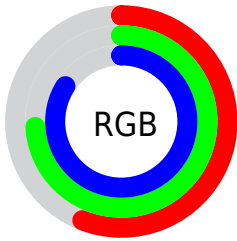
Format	Color
R _{YB}	143, 171, 214
Decimal	9419990
CIE _{Lab}	73.97, -8.66, -17.85
CIE _{LCh}	74, 19.842, 244.123
Y _{xy}	46.6611, 0.2614, 0.2943
Android (android.graphics.Color)	4287610070 (0xFF8FBCD6)
YUV	177.5090, 17.9901, -30.2644
Hunter-Lab	68.3089, -11.2400, -13.3265

Details

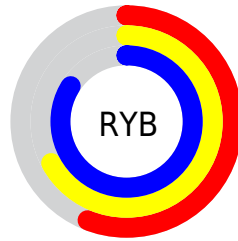
The Yxy color **46.6611, 0.2614, 0.2943** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.6430, 0.3791, 0.3611**, and the grayscale version is **44.1635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9271, 0.2786, 0.3173**, and **22.0048, 0.2480, 0.2851** is the 20% darker color. If you saturate the color by 10%, you get **41.6760, 0.2466, 0.2818**, and if you desaturate by 10%, it is **52.1958, 0.2768, 0.3059**.

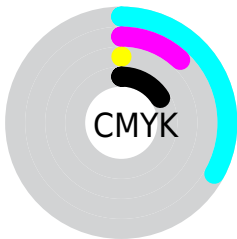
Distribution



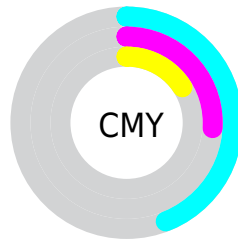
- Red (56%)
- Green (74%)
- Blue (84%)



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



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6611, 0.2614, 0.2943 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 46.6611, 0.2614, 0.2943 by changing the saturation by 10% instead.

■ 46.6611, 0.2614,
0.2943

■ 46.6611, 0.2614,
0.2943

373.4602, 0.2866,
0.3118

■ 32.7678, 0.2553,
0.2899

■ 85.2075, 0.2704,
0.3007

■ 21.9486, 0.2475,
0.2842

■ 110.6295, 0.2739,
0.3031

■ 13.8192, 0.2374,
0.2767

140.6631, 0.2768,
0.3051

■ 7.9950, 0.2237,
0.2662

175.6928, 0.2793,
0.3069

■ 4.0917, 0.2042,
0.2508

216.1029, 0.2815,
0.3083

■ 1.7250, 0.1745,
0.2260

262.2780, 0.2834,

■ 0.4398, 0.0797,

0.3097

0.1697

314.6022, 0.2851,
0.3108

■ 0.0000, 0.0000,
0.0000

■ 46.6611, 0.2614,
0.2943

■ 46.6611, 0.2614,
0.2943

■ 41.6760, 0.2466,
0.2818

■ 52.1958, 0.2768,
0.3059

■ 37.2113, 0.2326,
0.2686

■ 58.2965, 0.2924,
0.3165

■ 33.2431, 0.2200,
0.2548

■ 64.9855, 0.3078,
0.3261

■ 29.7427, 0.2092,
0.2406

■ 72.2822, 0.3230,
0.3348

■ 26.6775, 0.2003,
0.2265

■ 80.2050, 0.3376,
0.3424

■ 24.0086, 0.1935,
0.2125

■ 85.5323, 0.3400,
0.3500

■ 22.3758, 0.1898,
0.2032

■ 90.1162, 0.3388,
0.3576

■ 94.9001, 0.3376,
0.3650

■ 97.6353, 0.3370,
0.3691

Harmonies

Analogous

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



46.6611, 0.2629, 0.3149



46.6611, 0.2614, 0.2943



46.6611, 0.2729, 0.2839

Triad

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



46.6611, 0.2614, 0.2943



46.6611, 0.3489, 0.3162



46.6611, 0.3288, 0.3775

Complementary

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



46.6611, 0.2614, 0.2943



44.6430, 0.3791, 0.3611

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.



46.6611, 0.3530, 0.3755



46.6611, 0.2614, 0.2943



46.6611, 0.3652, 0.3393

Square

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



46.6611, 0.2614, 0.2943



46.6611, 0.3229, 0.2968



46.6611, 0.3666, 0.3610



46.6611, 0.3010, 0.3647

Rectangle

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



46.6611, 0.2614, 0.2943



46.6611, 0.2867, 0.2835



46.6611, 0.3666, 0.3610



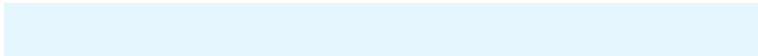
46.6611, 0.3376, 0.3784

Sweetspot

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



46.6629, 0.2614, 0.2943



89.6701, 0.2972, 0.3196



56.7540, 0.2929, 0.3918



18.8980, 0.2950, 0.3182



0.0000, 0.0000, 0.0000



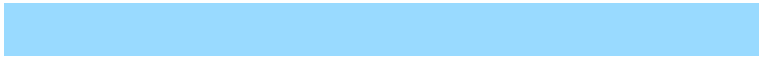
21.4041, 0.3127, 0.3290

Same Dimension

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



46.6629, 0.2614, 0.2943



63.9650, 0.2506, 0.2854



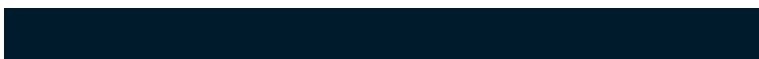
33.6804, 0.2553, 0.2460



13.3081, 0.2982, 0.3203



13.7284, 0.1904, 0.2052



0.9833, 0.1970, 0.2290

Inverse Universe

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



37.5645, 0.3414, 0.2751



49.0873, 0.3499, 0.2632



59.1569, 0.3662, 0.4002



12.5520, 0.3193, 0.3143



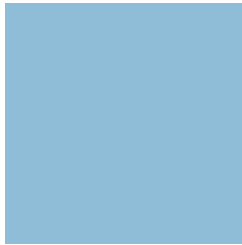
9.7307, 0.4394, 0.2194



0.6026, 0.4137, 0.2052

Previews

White Background



This preview shows how the Yxy color 46.6611, 0.2614, 0.2943 looks on a white background.

Color Contrast Check

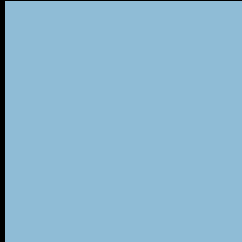
Large Text (above 18pt) WCAG AA × Fail

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 46.6611, 0.2614, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

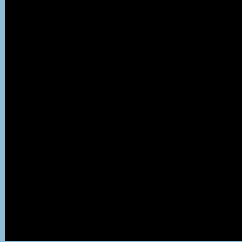
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6611, 0.2614, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 46.6611, 0.2614, 0.2943.



This preview shows how white text looks on a background with the Yxy color 46.6611, 0.2614, 0.2943.

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

46.6611, 0.2614, 0.2943

Protanopia

46.4761, 0.2875, 0.2921

Deuteranopia

46.3472, 0.2870, 0.2806



Tritanopia

46.8974, 0.2659, 0.3085

Trichromacy



Original Color

46.6611, 0.2614, 0.2943

Protanomaly

46.4626, 0.2772, 0.2927

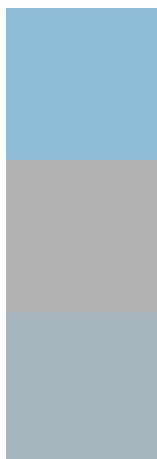
Deuteranomaly

46.2789, 0.2773, 0.2855

Tritanomaly

46.7000, 0.2646, 0.3033

Monochromacy



Original Color

46.6611, 0.2614, 0.2943

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.2168, 0.2919, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6611, 0.2614, 0.2943 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(143, 188, 214)` looks like.

```
.text, #text, p{  
    color:rgb(143, 188, 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(143, 188, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 188, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.6611, 0.2614, 0.2943 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(143, 188, 214) }
```

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

```
.border{ border-color:rgb(143, 188, 214) }
```

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

Here you see how a box with a 4 pixel rgb(143, 188, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 188, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 188, 214);  
box-shadow:4px 4px 4px 4px rgb(143, 188,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6611, 0.2614, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 188, 214) }
```

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

```
.background{ background-color: rgb(143,  
188, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor