

Converting Colors

$Y_{xy}(46.3329, 0.2642, 0.2918)$

Have a look what the booklet for
Yxy(46.3329, 0.2642, 0.2918)
contains.

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Color

Yxy(46.2688, 0.2644, 0.2919)

Conversions

Conversions Part 1

Format	Color
Hex	94BAD6
RGB	148, 186, 214
RGB Percent	58%, 73%, 84%
CMY	0.4195, 0.2706, 0.1608
CMYK	0.31, 0.13, 0.00, 0.16
HSL	205°, 45%, 71%
HSV	205°, 31%, 84%
XYZ	41.9098, 46.2688, 70.3305
YIQ	177.8300, -31.6360, 0.6520

Conversions

Conversions Part 2

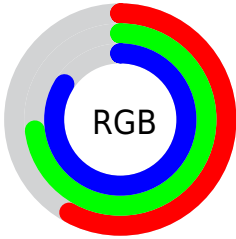
Format	Color
RYB	148, 172, 214
Decimal	9747158
CIELab	73.72, -6.16, -18.20
CIELCh	74, 19.210, 251.305
Yxy	46.2688, 0.2644, 0.2919
Android (android.graphics.Color)	4287937238 (0xFF94BAD6)
YUV	177.8300, 17.8318, -26.1609
Hunter-Lab	68.0212, -9.0581, -13.6881

Details

The Yxy color **46.2688, 0.2644, 0.2919** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.4845, 0.3718, 0.3633**, and the grayscale version is **44.3451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4208, 0.2813, 0.3152**, and **21.7112, 0.2513, 0.2818** is the 20% darker color. If you saturate the color by 10%, you get **40.7517, 0.2488, 0.2775**, and if you desaturate by 10%, it is **52.4014, 0.2802, 0.3052**.

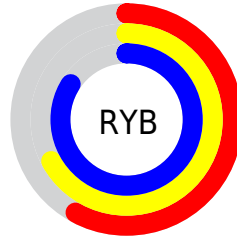
Distribution



Red (58%)

Green (73%)

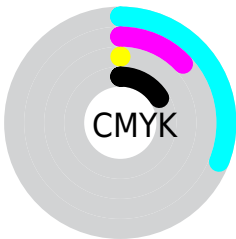
Blue (84%)



Red (58%)

Yellow (67%)

Blue (84%)

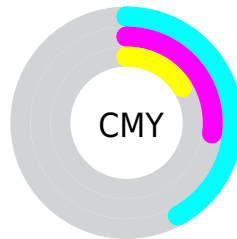


Cyan (31%)

Magenta (13%)

Yellow (0%)

Black (16%)



Cyan (42%)

Magenta (27%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2688, 0.2644, 0.2919 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 46.2688, 0.2644, 0.2919 by changing the saturation by 10% instead.

■ 46.2688, 0.2644,
0.2919

■ 46.2688, 0.2644,
0.2919

■ 371.8883, 0.2882,
0.3105

■ 32.4580, 0.2586,
0.2872

■ 84.6211, 0.2729,
0.2987

■ 21.7116, 0.2513,
0.2813

■ 109.9315, 0.2762,
0.3012

■ 13.6451, 0.2416,
0.2734

■ 139.8437, 0.2789,
0.3034

■ 7.8743, 0.2285,
0.2624

■ 174.7424, 0.2813,
0.3052

■ 4.0146, 0.2098,
0.2463

■ 215.0117, 0.2834,
0.3068

■ 1.6817, 0.1810,
0.2208

■ 261.0362, 0.2852,

■ 0.4118, 0.0931,

0.3082

0.1591

313.2003, 0.2868,
0.3095

0.0000, 0.0000,
0.0000

46.2688, 0.2644,
0.2919

46.2688, 0.2644,
0.2919

40.7517, 0.2488,
0.2775

52.4014, 0.2802,
0.3052

35.8198, 0.2339,
0.2622

59.1673, 0.2960,
0.3173

31.4481, 0.2202,
0.2461

66.5899, 0.3115,
0.3282

27.6068, 0.2080,
0.2296

74.6898, 0.3264,
0.3379

24.2625, 0.1977,
0.2130

83.4846, 0.3406,
0.3465

■ 21.3764, 0.1897,
0.1968

■ 88.7100, 0.3392,
0.3553

■ 19.0728, 0.1840,
0.1824

■ 94.2030, 0.3378,
0.3640

■ 97.6344, 0.3370,
0.3691

Harmonies

Analogous

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



46.2688, 0.2628, 0.3099



46.2688, 0.2644, 0.2919



46.2688, 0.2783, 0.2845

Triad

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



46.2688, 0.2644, 0.2919



46.2688, 0.3528, 0.3218



46.2688, 0.3219, 0.3743

Complementary

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



46.2688, 0.2644, 0.2919



47.4845, 0.3718, 0.3633

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.



46.2688, 0.3469, 0.3759



46.2688, 0.2644, 0.2919



46.2688, 0.3654, 0.3444

Square

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



46.2688, 0.2644, 0.2919



46.2688, 0.3291, 0.3016



46.2688, 0.3631, 0.3644



46.2688, 0.2952, 0.3589

Rectangle

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



46.2688, 0.2644, 0.2919



46.2688, 0.2932, 0.2858



46.2688, 0.3631, 0.3644



46.2688, 0.3308, 0.3764

Sweetspot

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



46.2706, 0.2644, 0.2919



89.8491, 0.2987, 0.3192



57.4990, 0.2914, 0.3804



18.8966, 0.2964, 0.3176



0.0000, 0.0000, 0.0000



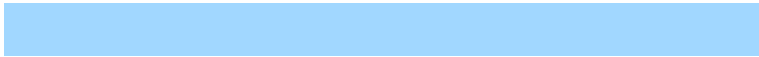
21.4041, 0.3127, 0.3290

Same Dimension

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



46.2706, 0.2644, 0.2919



63.3493, 0.2542, 0.2826



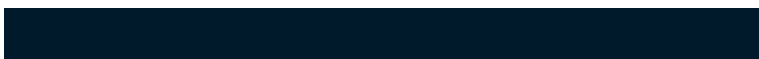
34.1035, 0.2592, 0.2467



13.1842, 0.2982, 0.3189



11.7400, 0.1846, 0.1847



0.8706, 0.1922, 0.2120

Inverse Universe

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



39.0248, 0.3426, 0.2834



51.5326, 0.3512, 0.2735



61.7835, 0.3607, 0.3998



12.5395, 0.3202, 0.3157



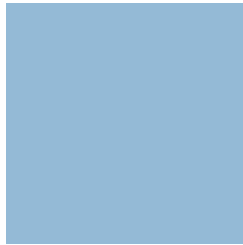
9.5300, 0.4630, 0.2324



0.5912, 0.4319, 0.2153

Previews

White Background



This preview shows how the Yxy color 46.2688, 0.2644, 0.2919 looks on a white background.

Color Contrast Check

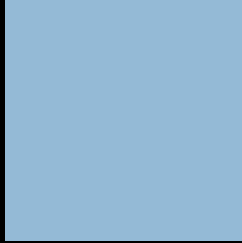
Large Text (above 18pt) WCAG AA × Fail

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 46.2688, 0.2644, 0.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

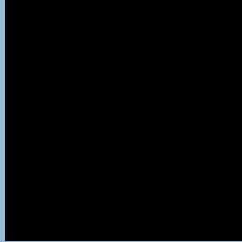
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

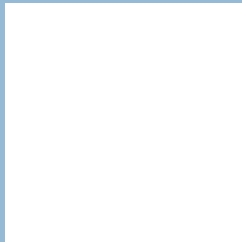
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2688, 0.2644, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 46.2688, 0.2644, 0.2919.



This preview shows how white text looks on a background with the Yxy color 46.2688, 0.2644, 0.2919.

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

46.2688, 0.2644, 0.2919

Protanopia

45.9576, 0.2866, 0.2907

Deuteranopia

46.2259, 0.2862, 0.2805



Tritanopia

46.3892, 0.2702, 0.3086

Trichromacy



Original Color

46.2688, 0.2644, 0.2919

Protanomaly

46.1584, 0.2778, 0.2914

Deuteranomaly

45.9838, 0.2779, 0.2843

Tritanomaly

46.2487, 0.2682, 0.3021

Monochromacy



Original Color

46.2688, 0.2644, 0.2919

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0248, 0.2934, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2688, 0.2644, 0.2919 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(148, 186, 214)` looks like.

```
.text, #text, p{  
    color:rgb(148, 186, 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(148, 186, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 186, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.2688, 0.2644, 0.2919 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(148, 186, 214) }
```

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

```
.border{ border-color:rgb(148, 186, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 186, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 186, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 186, 214);  
box-shadow:4px 4px 4px 4px rgb(148, 186,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2688, 0.2644, 0.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 186, 214) }
```

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

```
.background{ background-color: rgb(148,  
186, 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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