

Converting Colors

$Y_{xy}(46.2742, 0.2655, 0.2912)$

Have a look what the booklet for
Yxy(46.2742, 0.2655, 0.2912)
contains.

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Color

Yxy(46.4569, 0.2657, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	96BAD6
RGB	150, 186, 214
RGB Percent	59%, 73%, 84%
CMY	0.4119, 0.2706, 0.1607
CMYK	0.30, 0.13, 0.00, 0.16
HSL	206°, 44%, 71%
HSV	206°, 30%, 84%
XYZ	42.2726, 46.4569, 70.3695
YIQ	178.4280, -30.4440, 1.0760

Conversions

Conversions Part 2

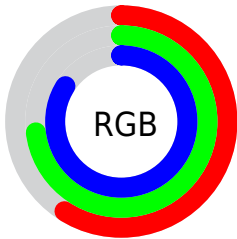
Format	Color
RYB	150, 173, 214
Decimal	9878230
CIELab	73.84, -5.59, -18.02
CIELCh	74, 18.865, 252.777
Yxy	46.4569, 0.2657, 0.2920
Android (android.graphics.Color)	4288068310 (0xFF96BAD6)
YUV	178.4280, 17.5370, -24.9314
Hunter-Lab	68.1593, -8.5725, -13.5011

Details

The Yxy color **46.4569, 0.2657, 0.2920** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.3371, 0.3694, 0.3632**, and the grayscale version is **44.6759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7034, 0.2824, 0.3153**, and **21.8196, 0.2530, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **40.7945, 0.2500, 0.2772**, and if you desaturate by 10%, it is **52.7522, 0.2816, 0.3056**.

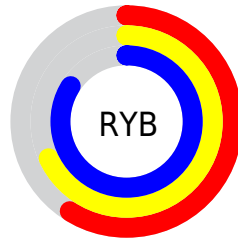
Distribution



Red (59%)

Green (73%)

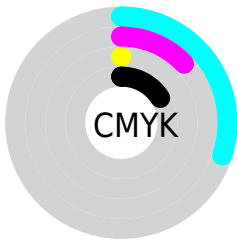
Blue (84%)



Red (59%)

Yellow (68%)

Blue (84%)

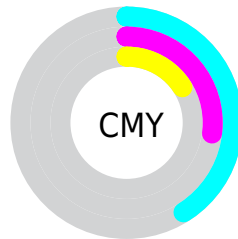


Cyan (30%)

Magenta (13%)

Yellow (0%)

Black (16%)



Cyan (41%)

Magenta (27%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4569, 0.2657, 0.2920 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 46.4569, 0.2657, 0.2920 by changing the saturation by 10% instead.

■ 46.4569, 0.2657,
0.2920

■ 46.4569, 0.2657,
0.2920

■ 372.6425, 0.2888,
0.3106

■ 32.6065, 0.2601,
0.2874

■ 84.9024, 0.2740,
0.2987

■ 21.8252, 0.2529,
0.2815

■ 110.2663, 0.2772,
0.3013

■ 13.7285, 0.2435,
0.2736

■ 140.2368, 0.2798,
0.3034

■ 7.9321, 0.2308,
0.2628

■ 175.1983, 0.2821,
0.3053

■ 4.0515, 0.2125,
0.2469

■ 215.5352, 0.2841,
0.3068

■ 1.7024, 0.1844,
0.2216

■ 261.6320, 0.2859,

■ 0.4252, 0.1018,

0.3082

0.1616

313.8730, 0.2875,
0.3095

0.0000, 0.0000,
0.0000

46.4569, 0.2657,
0.2920

46.4569, 0.2657,
0.2920

40.7945, 0.2500,
0.2772

52.7522, 0.2816,
0.3056

35.7344, 0.2348,
0.2615

59.6983, 0.2974,
0.3180

31.2511, 0.2208,
0.2449

67.3190, 0.3128,
0.3291

27.3149, 0.2082,
0.2279

75.6354, 0.3276,
0.3390

23.8923, 0.1976,
0.2108

84.2884, 0.3403,
0.3479

■ 20.9442, 0.1892,
0.1940

■ 89.7246, 0.3389,
0.3569

■ 18.4052, 0.1828,
0.1778

■ 95.4460, 0.3375,
0.3658

■ 18.3868, 0.1827,
0.1777

■ 97.6360, 0.3369,
0.3691

Harmonies

Analogous

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



46.4569, 0.2635, 0.3092



46.4569, 0.2657, 0.2920



46.4569, 0.2799, 0.2852

Triad

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



46.4569, 0.2657, 0.2920



46.4569, 0.3529, 0.3230



46.4569, 0.3204, 0.3729

Complementary

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



46.4569, 0.2657, 0.2920



48.3371, 0.3694, 0.3632

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.



46.4569, 0.3452, 0.3752



46.4569, 0.2657, 0.2920



46.4569, 0.3646, 0.3452

Square

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



46.4569, 0.2657, 0.2920



46.4569, 0.3301, 0.3030



46.4569, 0.3616, 0.3645



46.4569, 0.2943, 0.3573

Rectangle

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



46.4569, 0.2657, 0.2920



46.4569, 0.2948, 0.2868



46.4569, 0.3616, 0.3645



46.4569, 0.3292, 0.3753

Sweetspot

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



46.4587, 0.2657, 0.2920



89.6657, 0.2987, 0.3189



57.7883, 0.2913, 0.3772



18.8514, 0.2964, 0.3172



0.0000, 0.0000, 0.0000



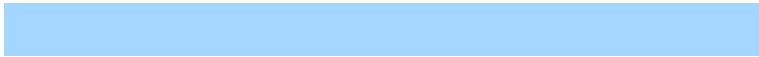
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4587, 0.2657, 0.2920



63.5502, 0.2555, 0.2826



34.5308, 0.2608, 0.2480



13.1562, 0.2982, 0.3185



11.3221, 0.1834, 0.1800



0.8464, 0.1912, 0.2082

Inverse Universe

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



39.6501, 0.3423, 0.2857



52.4239, 0.3509, 0.2762



62.4700, 0.3590, 0.3988



12.5367, 0.3204, 0.3160



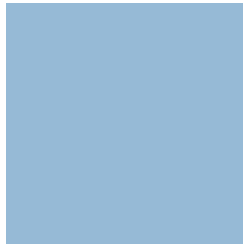
9.4878, 0.4685, 0.2354



0.5888, 0.4361, 0.2176

Previews

White Background



This preview shows how the Yxy color 46.4569, 0.2657, 0.2920 looks on a white background.

Color Contrast Check

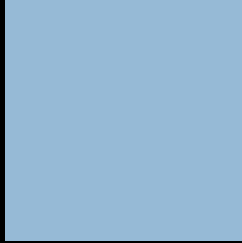
Large Text (above 18pt) WCAG AA × Fail

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 46.4569, 0.2657, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

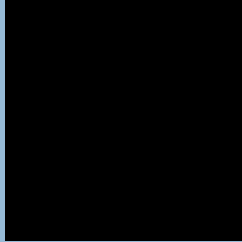
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

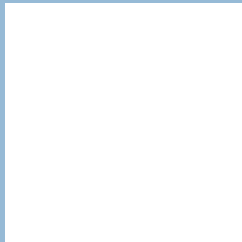
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4569, 0.2657, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 46.4569, 0.2657, 0.2920.



This preview shows how white text looks on a background with the Yxy color 46.4569, 0.2657, 0.2920.

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

46.4569, 0.2657, 0.2920

Protanopia

46.5258, 0.2868, 0.2909

Deuteranopia

46.2259, 0.2862, 0.2805



Tritanopia

46.5741, 0.2716, 0.3087

Trichromacy



Original Color

46.4569, 0.2657, 0.2920

Protanomaly

46.3745, 0.2793, 0.2916

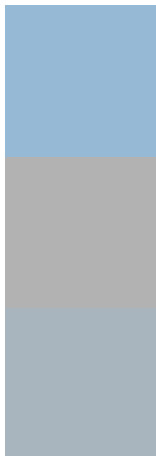
Deuteranomaly

46.0949, 0.2787, 0.2844

Tritanomaly

46.4352, 0.2696, 0.3022

Monochromacy



Original Color

46.4569, 0.2657, 0.2920

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1342, 0.2943, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4569, 0.2657, 0.2920 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(150, 186, 214)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 186, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 186, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.4569, 0.2657, 0.2920 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(150, 186, 214) }
```

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

```
.border{ border-color:rgb(150, 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(150, 186, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 186, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 186, 214);  
box-shadow:4px 4px 4px 4px rgb(150, 186,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4569, 0.2657, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 186, 214) }
```

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

```
.background{ background-color: rgb(150,  
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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