

Converting Colors

$Y_{xy}(42.4479, 0.2594, 0.2716)$

Have a look what the booklet for
Yxy(42.4479, 0.2594, 0.2716)
contains.

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Color

Yxy(42.4610, 0.2597, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	94B0DB
RGB	148, 176, 219
RGB Percent	58%, 69%, 86%
CMY	0.4195, 0.3098, 0.1413
CMYK	0.32, 0.20, 0.00, 0.14
HSL	216°, 50%, 72%
HSV	216°, 32%, 86%
XYZ	40.5260, 42.4610, 73.0623
YIQ	172.5300, -30.4910, 7.4370

Conversions

Conversions Part 2

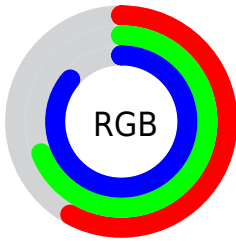
Format	Color
R _Y B	148, 168, 219
Decimal	9744603
CIE Lab	71.19, 0.52, -24.77
CIE LCh	71, 24.777, 271.205
Yxy	42.4610, 0.2597, 0.2721
Android (android.graphics.Color)	4287934683 (0xFF94B0DB)
YUV	172.5300, 22.9097, -21.5128
Hunter-Lab	65.1621, -3.0199, -20.8648

Details

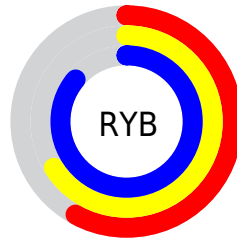
The Yxy color **42.4610, 0.2597, 0.2721** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.4635, 0.3709, 0.3798**, and the grayscale version is **41.4339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2092, 0.2811, 0.3034**, and **19.5285, 0.2449, 0.2567** is the 20% darker color. If you saturate the color by 10%, you get **35.6589, 0.2423, 0.2508**, and if you desaturate by 10%, it is **50.1611, 0.2768, 0.2917**.

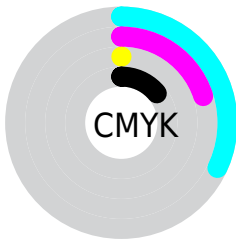
Distribution



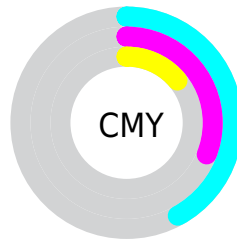
- Red (58%)
- Green (69%)
- Blue (86%)



- Red (58%)
- Yellow (66%)
- Blue (86%)



- Cyan (32%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)



- Cyan (42%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4610, 0.2597, 0.2721 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 42.4610, 0.2597, 0.2721 by changing the saturation by 10% instead.

■ 42.4610, 0.2597,
0.2721

■ 42.4610, 0.2597,
0.2721

■ 356.3904, 0.2862,
0.3005

■ 29.4624, 0.2532,
0.2651

■ 78.8969, 0.2693,
0.2824

■ 19.4309, 0.2448,
0.2562

■ 103.1029, 0.2729,
0.2862

■ 11.9821, 0.2339,
0.2445

■ 131.8136, 0.2759,
0.2895

■ 6.7315, 0.2189,
0.2286

■ 165.4134, 0.2786,
0.2923

■ 3.2947, 0.1974,
0.2057

■ 204.2865, 0.2808,
0.2948

■ 1.2875, 0.1646,
0.1709

■ 248.8175, 0.2828,

■ 0.1315, 0.0559,

0.2969

0.0534

299.3906, 0.2846,
0.2988

0.0000, 0.0000,
0.0000

42.4610, 0.2597,
0.2721

42.4610, 0.2597,
0.2721

35.6589, 0.2423,
0.2508

50.1611, 0.2768,
0.2917

29.7135, 0.2253,
0.2281

58.7884, 0.2934,
0.3095

24.5873, 0.2091,
0.2047

68.3765, 0.3091,
0.3255

20.2375, 0.1946,
0.1811

78.9559, 0.3238,
0.3396

16.6163, 0.1824,
0.1583

90.0740, 0.3357,
0.3521

■ 13.6686, 0.1729,
0.1372

■ 97.8934, 0.3340,
0.3641

■ 11.8197, 0.1674,
0.1226

Harmonies

Analogous

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



42.4610, 0.2469, 0.2861



42.4610, 0.2597, 0.2721



42.4610, 0.2866, 0.2726

Triad

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



42.4610, 0.2597, 0.2721



42.4610, 0.3794, 0.3386



42.4610, 0.3006, 0.3781

Complementary

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



42.4610, 0.2597, 0.2721



54.4635, 0.3709, 0.3798

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.



42.4610, 0.3363, 0.3927



42.4610, 0.2597, 0.2721



42.4610, 0.3830, 0.3669

Square

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



42.4610, 0.2597, 0.2721



42.4610, 0.3565, 0.3097



42.4610, 0.3667, 0.3875



42.4610, 0.2695, 0.3478

Rectangle

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



42.4610, 0.2597, 0.2721



42.4610, 0.3097, 0.2804



42.4610, 0.3667, 0.3875



42.4610, 0.3125, 0.3851

Sweetspot

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



42.4627, 0.2597, 0.2721



86.0169, 0.2971, 0.3134



60.6950, 0.2827, 0.3658



18.0146, 0.2948, 0.3110



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.



42.4627, 0.2597, 0.2721



53.1620, 0.2477, 0.2575



33.2850, 0.2606, 0.2349



13.4550, 0.2981, 0.3144



7.2095, 0.1682, 0.1254



0.6321, 0.1772, 0.1580

Inverse Universe

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



39.3817, 0.3577, 0.2957



48.8151, 0.3714, 0.2884



66.7710, 0.3558, 0.4111



13.1361, 0.3230, 0.3198



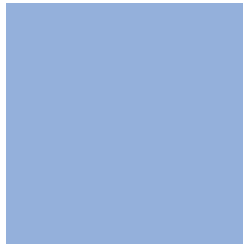
9.3516, 0.5391, 0.2743



0.6225, 0.4956, 0.2504

Previews

White Background



This preview shows how the Yxy color 42.4610, 0.2597, 0.2721 looks on a white background.

Color Contrast Check

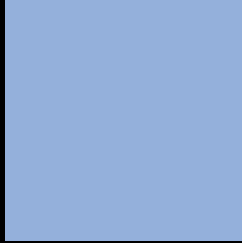
Large Text (above 18pt) WCAG AA × Fail

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 42.4610, 0.2597, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

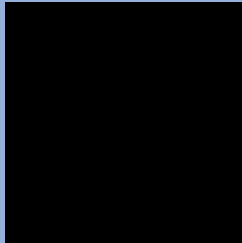
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

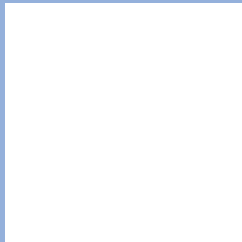
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4610, 0.2597, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 42.4610, 0.2597, 0.2721.

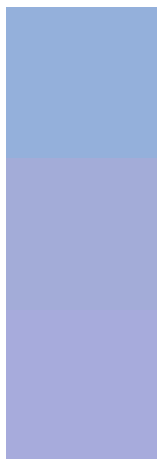


This preview shows how white text looks on a background with the Yxy color 42.4610, 0.2597, 0.2721.

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

42.4610, 0.2597, 0.2721

Protanopia

42.2494, 0.2719, 0.2719

Deuteranopia

42.5086, 0.2721, 0.2664



Tritanopia

42.4223, 0.2722, 0.3079

Trichromacy



Original Color

42.4610, 0.2597, 0.2721

Protanomaly

42.1660, 0.2676, 0.2715

Deuteranomaly

42.5280, 0.2671, 0.2682

Tritanomaly

42.6196, 0.2676, 0.2947

Monochromacy



Original Color

42.4610, 0.2597, 0.2721

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8823, 0.2915, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4610, 0.2597, 0.2721 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, 176, 219)` looks like.

```
.text, #text, p{  
    color:rgb(148, 176, 219)  
}
```

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, 176, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 176, 219) }
```

Border

The CSS property to change the border of an element to Yxy 42.4610, 0.2597, 0.2721 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, 176, 219) }
```

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

```
.border{ border-color:rgb(148, 176, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 176, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 176, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 176, 219);  
box-shadow:4px 4px 4px 4px rgb(148, 176,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4610, 0.2597, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 176, 219) }
```

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

```
.background{ background-color: rgb(148,  
176, 219) }
```

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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