

Converting Colors

$Y_{xy}(42.4926, 0.2629, 0.2759)$

Have a look what the booklet for
Yxy(42.4926, 0.2629, 0.2759)
contains.

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Color

Yxy(42.4926, 0.2629, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	96B0D8
RGB	150, 176, 216
RGB Percent	59%, 69%, 85%
CMY	0.4120, 0.3097, 0.1529
CMYK	0.31, 0.19, 0.00, 0.15
HSL	216°, 46%, 72%
HSV	216°, 31%, 85%
XYZ	40.4904, 42.4926, 71.0315
YIQ	172.7860, -28.3360, 6.9280

Conversions

Conversions Part 2

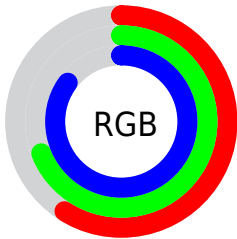
Format	Color
RYB	150, 169, 216
Decimal	9875672
CIELab	71.21, 0.32, -23.10
CIELCh	71, 23.099, 270.788
Yxy	42.4926, 0.2629, 0.2759
Android (android.graphics.Color)	4288065752 (0xFF96B0D8)
YUV	172.7860, 21.3045, -19.9833
Hunter-Lab	65.1863, -3.2011, -18.9760

Details

The Yxy color **42.4926, 0.2629, 0.2759** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.5973, 0.3671, 0.3768**, and the grayscale version is **41.5716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3510, 0.2817, 0.3034**, and **19.5299, 0.2489, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **35.7476, 0.2456, 0.2549**, and if you desaturate by 10%, it is **50.1125, 0.2799, 0.2952**.

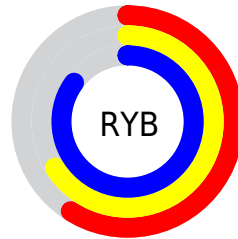
Distribution



Red (59%)

Green (69%)

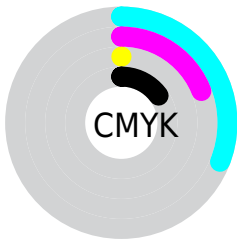
Blue (85%)



Red (59%)

Yellow (66%)

Blue (85%)

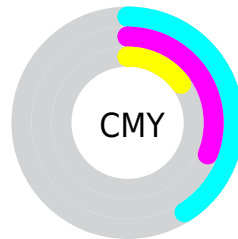


Cyan (31%)

Magenta (19%)

Yellow (0%)

Black (15%)



Cyan (41%)

Magenta (31%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4926, 0.2629, 0.2759 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 42.4926, 0.2629, 0.2759 by changing the saturation by 10% instead.

■ 42.4926, 0.2629,
0.2759

■ 42.4926, 0.2629,
0.2759

356.5209, 0.2878,
0.3024

■ 29.4872, 0.2567,
0.2693

■ 78.9446, 0.2719,
0.2855

■ 19.4497, 0.2489,
0.2610

■ 103.1600, 0.2753,
0.2891

■ 11.9957, 0.2385,
0.2499

131.8809, 0.2782,
0.2922

■ 6.7407, 0.2242,
0.2348

165.4916, 0.2807,
0.2948

■ 3.3005, 0.2036,
0.2130

204.3766, 0.2828,
0.2971

■ 1.2905, 0.1718,
0.1793

248.9202, 0.2847,

■ 0.1339, 0.0595,

0.2991

0.0590

299.5068, 0.2863,
0.3009

0.0000, 0.0000,
0.0000

42.4926, 0.2629,
0.2759

42.4926, 0.2629,
0.2759

35.7476, 0.2456,
0.2549

50.1125, 0.2799,
0.2952

29.8378, 0.2284,
0.2325

58.6349, 0.2963,
0.3126

24.7276, 0.2121,
0.2092

68.0921, 0.3119,
0.3282

20.3764, 0.1972,
0.1856

78.5133, 0.3263,
0.3419

16.7390, 0.1845,
0.1626

89.3623, 0.3377,
0.3542

■ 13.7638, 0.1745,
0.1412

■ 97.4004, 0.3358,
0.3666

■ 11.4928, 0.1675,
0.1229

■ 97.7378, 0.3358,
0.3671

Harmonies

Analogous

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



42.4926, 0.2510, 0.2894



42.4926, 0.2629, 0.2759



42.4926, 0.2879, 0.2761

Triad

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



42.4926, 0.2629, 0.2759



42.4926, 0.3746, 0.3378



42.4926, 0.3020, 0.3749

Complementary

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



42.4926, 0.2629, 0.2759



53.5973, 0.3671, 0.3768

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.



42.4926, 0.3353, 0.3882



42.4926, 0.2629, 0.2759



42.4926, 0.3783, 0.3642

Square

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



42.4926, 0.2629, 0.2759



42.4926, 0.3532, 0.3107



42.4926, 0.3635, 0.3834



42.4926, 0.2727, 0.3470

Rectangle

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



42.4926, 0.2629, 0.2759



42.4926, 0.3095, 0.2832



42.4926, 0.3635, 0.3834



42.4926, 0.3131, 0.3813

Sweetspot

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



42.4943, 0.2629, 0.2759



87.3581, 0.2987, 0.3150



59.2895, 0.2843, 0.3634



18.2837, 0.2964, 0.3126



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.



42.4943, 0.2629, 0.2759



55.0959, 0.2512, 0.2619



33.8787, 0.2641, 0.2411



12.8047, 0.2982, 0.3145



6.9995, 0.1683, 0.1257



0.5812, 0.1779, 0.1604

Inverse Universe

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



39.5312, 0.3543, 0.2976



50.6994, 0.3672, 0.2904



64.9239, 0.3534, 0.4063



12.5012, 0.3230, 0.3198



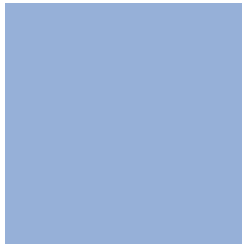
9.0514, 0.5386, 0.2741



0.5620, 0.4926, 0.2487

Previews

White Background



This preview shows how the Yxy color 42.4926, 0.2629, 0.2759 looks on a white background.

Color Contrast Check

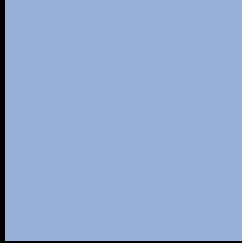
Large Text (above 18pt) WCAG AA × Fail

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 42.4926, 0.2629, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

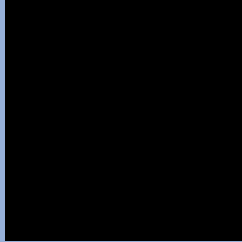
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

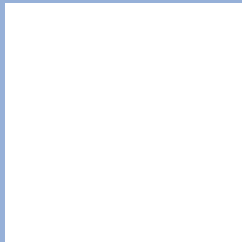
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4926, 0.2629, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 42.4926, 0.2629, 0.2759.



This preview shows how white text looks on a background with the Yxy color 42.4926, 0.2629, 0.2759.

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

42.4926, 0.2629, 0.2759

Protanopia

42.3085, 0.2755, 0.2757

Deuteranopia

42.5706, 0.2757, 0.2701



Tritanopia

42.5573, 0.2743, 0.3094

Trichromacy



Original Color

42.4926, 0.2629, 0.2759

Protanomaly

42.2158, 0.2711, 0.2753

Deuteranomaly

42.5783, 0.2706, 0.2719

Tritanomaly

42.7075, 0.2703, 0.2974

Monochromacy



Original Color

42.4926, 0.2629, 0.2759

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.9456, 0.2931, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4926, 0.2629, 0.2759 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, 176, 216)` looks like.

```
.text, #text, p{  
    color:rgb(150, 176, 216)  
}
```

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, 176, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 176, 216) }
```

Border

The CSS property to change the border of an element to Yxy 42.4926, 0.2629, 0.2759 is called "border". The border property can be set on classes, ids or directly on the HTML element.

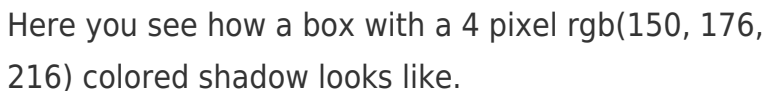
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 176, 216) }
```

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

```
.border{ border-color:rgb(150, 176, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(150, 176, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 176, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 176, 216); box-shadow:4px 4px 4px 4px rgb(150, 176, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4926, 0.2629, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 176, 216) }
```

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

```
.background{ background-color: rgb(150,  
176, 216) }
```

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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