

Converting Colors

$Yxy(42.4176, 0.2259, 0.2704)$

Have a look what the booklet for
Yxy(42.4176, 0.2259, 0.2704)
contains.

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Color

Yxy(42.4176, 0.2259, 0.2704)

Conversions

Conversions Part 1

Format	Color
Hex	5AB9E3
RGB	90, 185, 227
RGB Percent	35%, 73%, 89%
CMY	0.6469, 0.2745, 0.1097
CMYK	0.60, 0.19, 0.00, 0.11
HSL	198°, 71%, 62%
HSV	198°, 60%, 89%
XYZ	35.4369, 42.4176, 79.0153
YIQ	161.3830, -70.1020, -7.0780

Conversions

Conversions Part 2

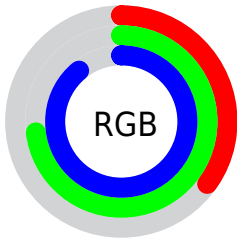
Format	Color
RYB	90, 146, 227
Decimal	5945827
CIELab	71.16, -15.81, -29.45
CIELCh	71, 33.431, 241.770
Yxy	42.4176, 0.2259, 0.2704
Android (android.graphics.Color)	4284135907 (0xFF5AB9E3)
YUV	161.3830, 32.3492, -62.6029
Hunter-Lab	65.1288, -16.8527, -26.3414

Details

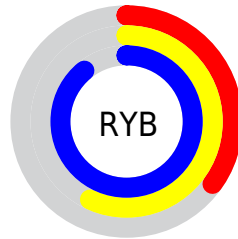
The Yxy color **42.4176, 0.2259, 0.2704** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **33.6011, 0.4677, 0.3760**, and the grayscale version is **35.7056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7099, 0.2540, 0.3130**, and **19.4428, 0.2039, 0.2541** is the 20% darker color. If you saturate the color by 10%, you get **38.6046, 0.2154, 0.2588**, and if you desaturate by 10%, it is **46.7242, 0.2381, 0.2817**.

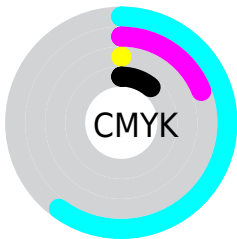
Distribution



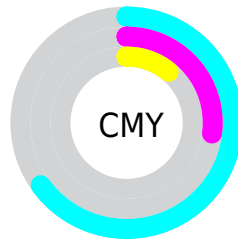
- Red (35%)
- Green (73%)
- Blue (89%)



- Red (35%)
- Yellow (57%)
- Blue (89%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (65%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4176, 0.2259, 0.2704 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 42.4176, 0.2259, 0.2704 by changing the saturation by 10% instead.

■ 42.4176, 0.2259,
0.2704

■ 42.4176, 0.2259,
0.2704

■ 356.2111, 0.2682,
0.3005

■ 29.4284, 0.2158,
0.2628

■ 78.8313, 0.2410,
0.2814

■ 19.4052, 0.2032,
0.2530

■ 103.0245, 0.2467,
0.2856

■ 11.9634, 0.1870,
0.2401

■ 131.7213, 0.2516,
0.2890

■ 6.7188, 0.1657,
0.2223

■ 165.3059, 0.2559,
0.2920

■ 3.2868, 0.1369,
0.1967

■ 204.1628, 0.2595,
0.2946

■ 1.2833, 0.0971,
0.1582

■ 248.6764, 0.2628,

■ 0.1282, 0.0000,

0.2968

0.0438

299.2310, 0.2657,
0.2988

0.0000, 0.0000,
0.0000

42.4176, 0.2259,
0.2704

42.4176, 0.2259,
0.2704

38.6046, 0.2154,
0.2588

46.7242, 0.2381,
0.2817

35.2457, 0.2068,
0.2470

51.5503, 0.2517,
0.2926

32.3015, 0.2003,
0.2353

56.9252, 0.2662,
0.3028

29.7835, 0.1956,
0.2242

62.8743, 0.2813,
0.3122

69.4209, 0.2968,
0.3209

76.5872, 0.3122,
0.3288

84.3939, 0.3274,
0.3358

89.5599, 0.3308,
0.3425

93.7579, 0.3300,
0.3492

Harmonies

Analogous

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



42.4176, 0.2297, 0.3059



42.4176, 0.2259, 0.2704



42.4176, 0.2428, 0.2534

Triad

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



42.4176, 0.2259, 0.2704



42.4176, 0.3726, 0.3036



42.4176, 0.3424, 0.4161

Complementary

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



42.4176, 0.2259, 0.2704



33.6011, 0.4677, 0.3760

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.



42.4176, 0.3840, 0.4074



42.4176, 0.2259, 0.2704



42.4176, 0.4034, 0.3410

Square

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



42.4176, 0.2259, 0.2704



42.4176, 0.3255, 0.2731



42.4176, 0.4072, 0.3786



42.4176, 0.2948, 0.3962

Rectangle

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



42.4176, 0.2259, 0.2704



42.4176, 0.2645, 0.2525



42.4176, 0.4072, 0.3786



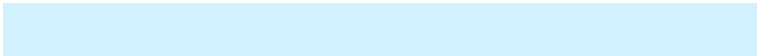
42.4176, 0.3576, 0.4161

Sweetspot

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



42.4191, 0.2259, 0.2704



83.6495, 0.2847, 0.3142



58.7745, 0.2852, 0.4681



17.3914, 0.2802, 0.3116



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.



42.4191, 0.2259, 0.2704



49.2633, 0.2134, 0.2563



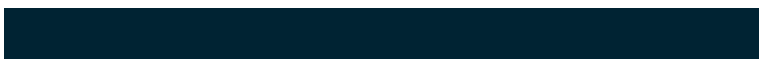
20.5503, 0.2035, 0.1706



15.5507, 0.2981, 0.3216



17.5799, 0.1961, 0.2259



1.4617, 0.2008, 0.2428

Inverse Universe

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



27.1590, 0.3673, 0.2262



29.9251, 0.3829, 0.2130



58.2150, 0.4150, 0.4465



14.5359, 0.3185, 0.3128



10.9724, 0.4169, 0.2070



0.8272, 0.3995, 0.1974

Previews

White Background



This preview shows how the Yxy color 42.4176, 0.2259, 0.2704 looks on a white background.

Color Contrast Check

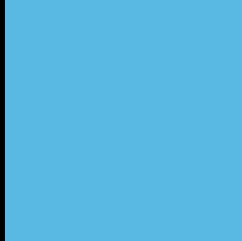
Large Text (above 18pt) WCAG AA × Fail

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 42.4176, 0.2259, 0.2704 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

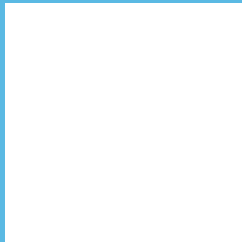
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4176, 0.2259, 0.2704

Background



This preview shows how black text looks on a background with the Yxy color 42.4176, 0.2259, 0.2704.

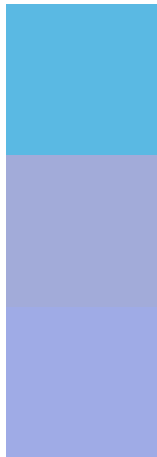


This preview shows how white text looks on a background with the Yxy color 42.4176, 0.2259, 0.2704.

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

42.4176, 0.2259, 0.2704

Protanopia

41.8170, 0.2703, 0.2693

Deuteranopia

42.2099, 0.2598, 0.2541



Tritanopia

42.4603, 0.2340, 0.3066

Trichromacy



Original Color

42.4176, 0.2259, 0.2704

Protanomaly

41.5054, 0.2505, 0.2684

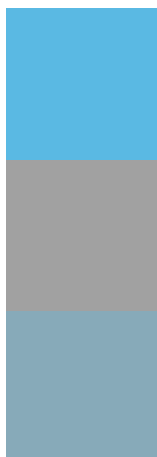
Deuteranomaly

41.7761, 0.2448, 0.2589

Tritanomaly

42.6047, 0.2314, 0.2941

Monochromacy



Original Color

42.4176, 0.2259, 0.2704

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.4031, 0.2717, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4176, 0.2259, 0.2704 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(90, 185, 227)` looks like.

```
.text, #text, p{  
    color:rgb(90, 185, 227)  
}
```

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(90, 185, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 185, 227) }
```

Border

The CSS property to change the border of an element to Yxy 42.4176, 0.2259, 0.2704 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(90, 185, 227) }
```

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

```
.border{ border-color:rgb(90, 185, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 185, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 185, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 185, 227);  
box-shadow:4px 4px 4px 4px rgb(90, 185,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4176, 0.2259, 0.2704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 185, 227) }
```

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

```
.background{ background-color: rgb(90, 185,  
227) }
```

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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