

Converting Colors

$Y_{xy}(47.2453, 0.2452, 0.2935)$

Have a look what the booklet for
Yxy(47.2453, 0.2452, 0.2935)
contains.

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Color

Yxy(47.1060, 0.2451, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	76C1DB
RGB	118, 193, 219
RGB Percent	46%, 76%, 86%
CMY	0.5369, 0.2432, 0.1411
CMYK	0.46, 0.12, 0.00, 0.14
HSL	195°, 58%, 66%
HSV	195°, 46%, 86%
XYZ	39.3379, 47.1060, 74.0535
YIQ	173.5390, -53.0460, -7.8140

Conversions

Conversions Part 2

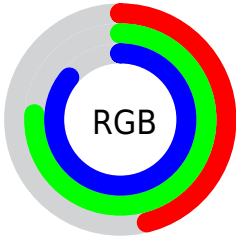
Format	Color
RYB	118, 161, 219
Decimal	7782875
CIELab	74.26, -16.43, -20.27
CIELCh	74, 26.087, 230.977
Yxy	47.1060, 0.2451, 0.2935
Android (android.graphics.Color)	4285972955 (0xFF76C1DB)
YUV	173.5390, 22.4123, -48.7077
Hunter-Lab	68.6338, -17.8007, -15.9282

Details

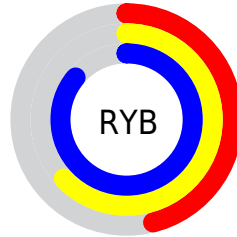
The Yxy color **47.1060, 0.2451, 0.2935** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.3573, 0.4216, 0.3607**, and the grayscale version is **41.9930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7052, 0.2670, 0.3234**, and **22.1062, 0.2271, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **43.2968, 0.2329, 0.2843**, and if you desaturate by 10%, it is **51.3703, 0.2586, 0.3023**.

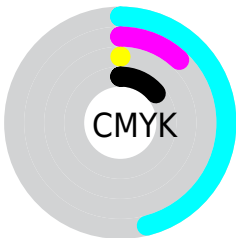
Distribution



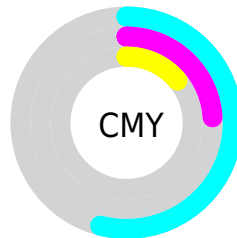
- Red (46%)
- Green (76%)
- Blue (86%)



- Red (46%)
- Yellow (63%)
- Blue (86%)



- Cyan (46%)
- Magenta (12%)
- Yellow (0%)
- Black (14%)



- Cyan (54%)
- Magenta (24%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1060, 0.2451, 0.2935 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 47.1060, 0.2451, 0.2935 by changing the saturation by 10% instead.

■ 47.1060, 0.2451,
0.2935

■ 47.1060, 0.2451,
0.2935

■ 375.2375, 0.2779,
0.3118

■ 33.1195, 0.2373,
0.2888

■ 85.8718, 0.2568,
0.3002

■ 22.2180, 0.2274,
0.2828

■ 111.4199, 0.2612,
0.3027

■ 14.0172, 0.2147,
0.2747

■ 141.5906, 0.2650,
0.3048

■ 8.1326, 0.1977,
0.2635

■ 176.7683, 0.2683,
0.3066

■ 4.1799, 0.1740,
0.2467

■ 217.3375, 0.2712,
0.3082

■ 1.7747, 0.1395,
0.2198

■ 263.6825, 0.2737,

■ 0.4713, 0.0168,

0.3095

0.1679

316.1877, 0.2759,
0.3107

0.0000, 0.0000,
0.0000

47.1060, 0.2451,
0.2935

47.1060, 0.2451,
0.2935

43.2968, 0.2329,
0.2843

51.3703, 0.2586,
0.3023

39.9112, 0.2224,
0.2748

56.1080, 0.2730,
0.3105

36.9218, 0.2137,
0.2651

61.3424, 0.2880,
0.3181

34.2946, 0.2069,
0.2554

67.0940, 0.3034,
0.3251

31.9875, 0.2022,
0.2458

73.3816, 0.3187,
0.3314

■ 31.1431, 0.2006,
0.2421

■ 80.2232, 0.3339,
0.3370

■ 84.3910, 0.3370,
0.3425

■ 87.6328, 0.3362,
0.3481

■ 90.9779, 0.3355,
0.3535

Harmonies

Analogous

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



47.1060, 0.2542, 0.3247



47.1060, 0.2451, 0.2935



47.1060, 0.2526, 0.2744

Triad

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



47.1060, 0.2451, 0.2935



47.1060, 0.3461, 0.3004



47.1060, 0.3483, 0.3942

Complementary

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



47.1060, 0.2451, 0.2935



36.3573, 0.4216, 0.3607

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.



47.1060, 0.3753, 0.3826



47.1060, 0.2451, 0.2935



47.1060, 0.3746, 0.3284

Square

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



47.1060, 0.2451, 0.2935



47.1060, 0.3093, 0.2795



47.1060, 0.3853, 0.3581



47.1060, 0.3127, 0.3863

Rectangle

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



47.1060, 0.2451, 0.2935



47.1060, 0.2663, 0.2698



47.1060, 0.3853, 0.3581



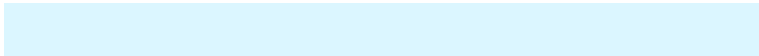
47.1060, 0.3587, 0.3922

Sweetspot

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



47.1078, 0.2451, 0.2935



88.1113, 0.2910, 0.3195



56.5265, 0.2922, 0.4370



18.4956, 0.2877, 0.3180



0.0000, 0.0000, 0.0000



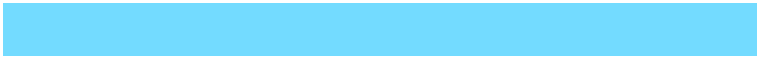
21.4041, 0.3127, 0.3290

Same Dimension

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



47.1078, 0.2451, 0.2935



61.4187, 0.2336, 0.2849



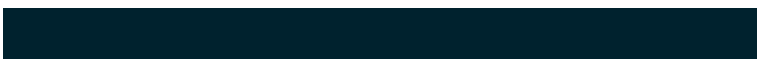
28.7141, 0.2321, 0.2211



14.2314, 0.2982, 0.3228



18.6469, 0.2010, 0.2436



1.3440, 0.2053, 0.2591

Inverse Universe

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



31.8903, 0.3449, 0.2426



38.5697, 0.3539, 0.2271



54.8641, 0.3931, 0.4168



13.2145, 0.3177, 0.3118



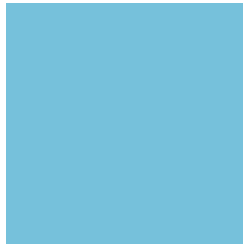
10.5062, 0.3987, 0.1970



0.6944, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 47.1060, 0.2451, 0.2935 looks on a white background.

Color Contrast Check

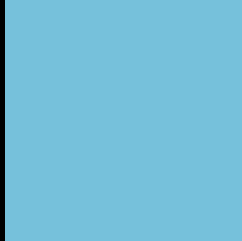
Large Text (above 18pt) WCAG AA × Fail

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 47.1060, 0.2451, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

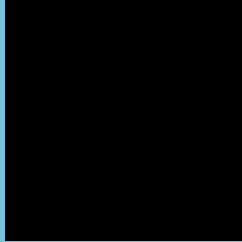
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1060, 0.2451, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 47.1060, 0.2451, 0.2935.



This preview shows how white text looks on a background with the Yxy color 47.1060, 0.2451, 0.2935.

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

47.1060, 0.2451, 0.2935

Protanopia

46.5258, 0.2868, 0.2909

Deuteranopia

46.6984, 0.2806, 0.2747



Tritanopia

46.8816, 0.2485, 0.3066

Trichromacy



Original Color

47.1060, 0.2451, 0.2935

Protanomaly

46.4706, 0.2697, 0.2923

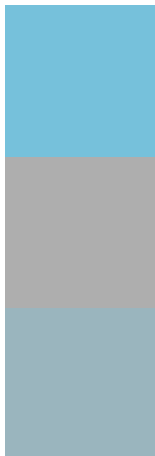
Deuteranomaly

46.2555, 0.2657, 0.2801

Tritanomaly

47.1007, 0.2474, 0.3027

Monochromacy



Original Color

47.1060, 0.2451, 0.2935

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.6355, 0.2840, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1060, 0.2451, 0.2935 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(118, 193, 219)` looks like.

```
.text, #text, p{  
    color:rgb(118, 193, 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(118, 193, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 193, 219) }
```

Border

The CSS property to change the border of an element to Yxy 47.1060, 0.2451, 0.2935 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(118, 193, 219) }
```

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

```
.border{ border-color:rgb(118, 193, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 193, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 193, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 193, 219);  
box-shadow:4px 4px 4px 4px rgb(118, 193,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1060, 0.2451, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 193, 219) }
```

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

```
.background{ background-color: rgb(118,  
193, 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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