

Converting Colors

$Y_{xy}(47.5053, 0.2459, 0.2803)$

Have a look what the booklet for
Yxy(47.5053, 0.2459, 0.2803)
contains.

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Color

Yxy(47.5302, 0.2458, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	81BFE4
RGB	129, 191, 228
RGB Percent	51%, 75%, 89%
CMY	0.4943, 0.2509, 0.1060
CMYK	0.43, 0.16, 0.00, 0.11
HSL	202°, 65%, 70%
HSV	202°, 43%, 89%
XYZ	41.6801, 47.5302, 80.3588
YIQ	176.6800, -48.8290, -1.6370

Conversions

Conversions Part 2

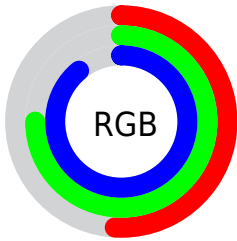
Format	Color
R _Y B	129, 167, 228
Decimal	8503268
CIE Lab	74.53, -10.34, -24.66
CIE LCh	75, 26.737, 247.256
Yxy	47.5302, 0.2458, 0.2803
Android (android.graphics.Color)	4286693348 (0xFF81BFE4)
YUV	176.6800, 25.3008, -41.8154
Hunter-Lab	68.9421, -12.7338, -20.8487

Details

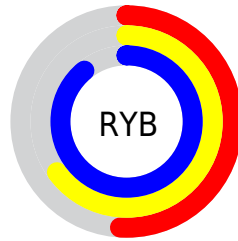
The Yxy color **47.5302, 0.2458, 0.2803** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.3188, 0.4070, 0.3721**, and the grayscale version is **43.6703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1806, 0.2723, 0.3203**, and **22.5720, 0.2289, 0.2680** is the 20% darker color. If you saturate the color by 10%, you get **42.3370, 0.2318, 0.2667**, and if you desaturate by 10%, it is **53.3410, 0.2608, 0.2931**.

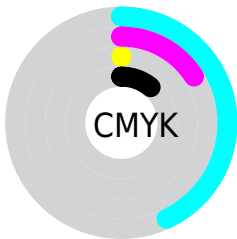
Distribution



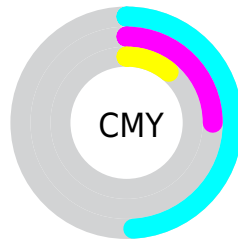
- Red (51%)
- Green (75%)
- Blue (89%)



- Red (51%)
- Yellow (65%)
- Blue (89%)



- Cyan (43%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5302, 0.2458, 0.2803 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 47.5302, 0.2458, 0.2803 by changing the saturation by 10% instead.


 47.5302, 0.2458,
0.2803


 47.5302, 0.2458,
0.2803


376.9269, 0.2782,
0.3047

 33.4550, 0.2381,
0.2743


 86.5045, 0.2573,
0.2891

 22.4752, 0.2284,
0.2666


 112.1724, 0.2617,
0.2925

 14.2065, 0.2159,
0.2565


 142.4733, 0.2655,
0.2953

 8.2644, 0.1993,
0.2426

177.7916, 0.2687,
0.2977

 4.2646, 0.1764,
0.2228

218.5118, 0.2716,
0.2998

 1.8227, 0.1432,
0.1926

265.0181, 0.2741,

 0.5012, 0.0610,

0.3017

0.1365

317.6950, 0.2763,
0.3033

0.0000, 0.0000,
0.0000

47.5302, 0.2458,
0.2803

47.5302, 0.2458,
0.2803

42.3370, 0.2318,
0.2667

53.3410, 0.2608,
0.2931

37.7254, 0.2191,
0.2525

59.7917, 0.2762,
0.3051

33.6634, 0.2082,
0.2380

66.9100, 0.2919,
0.3160

30.1125, 0.1992,
0.2235

74.7201, 0.3075,
0.3258

27.0266, 0.1924,
0.2092

83.2448, 0.3226,
0.3347

■ 25.2070, 0.1889,
0.2000

■ 90.4101, 0.3300,
0.3429

■ 95.5968, 0.3291,
0.3510

■ 98.3802, 0.3286,
0.3552

Harmonies

Analogous

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



47.5302, 0.2459, 0.3061



47.5302, 0.2458, 0.2803



47.5302, 0.2623, 0.2689

Triad

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



47.5302, 0.2458, 0.2803



47.5302, 0.3644, 0.3147



47.5302, 0.3297, 0.3939

Complementary

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



47.5302, 0.2458, 0.2803



45.3188, 0.4070, 0.3721

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.



47.5302, 0.3633, 0.3923



47.5302, 0.2458, 0.2803



47.5302, 0.3845, 0.3450

Square

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



47.5302, 0.2458, 0.2803



47.5302, 0.3299, 0.2888



47.5302, 0.3839, 0.3734



47.5302, 0.2929, 0.3748

Rectangle

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



47.5302, 0.2458, 0.2803



47.5302, 0.2812, 0.2696



47.5302, 0.3839, 0.3734



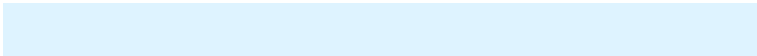
47.5302, 0.3418, 0.3957

Sweetspot

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



47.5320, 0.2458, 0.2803



86.6029, 0.2925, 0.3163



62.8646, 0.2868, 0.4135



18.0826, 0.2890, 0.3140



0.0000, 0.0000, 0.0000



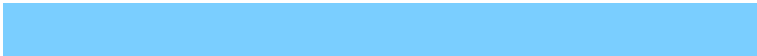
21.4041, 0.3127, 0.3290

Same Dimension

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



47.5320, 0.2458, 0.2803



55.2892, 0.2333, 0.2682



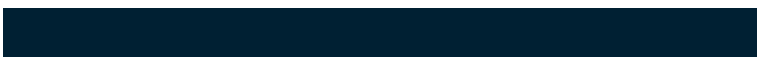
29.6587, 0.2343, 0.2122



15.3847, 0.2981, 0.3200



14.7932, 0.1895, 0.2022



1.2700, 0.1952, 0.2227

Inverse Universe

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



35.9426, 0.3547, 0.2589



39.7095, 0.3670, 0.2456



66.5605, 0.3829, 0.4235



14.5192, 0.3195, 0.3144



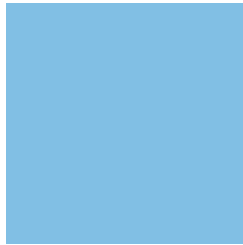
10.6911, 0.4428, 0.2213



0.8079, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 47.5302, 0.2458, 0.2803 looks on a white background.

Color Contrast Check

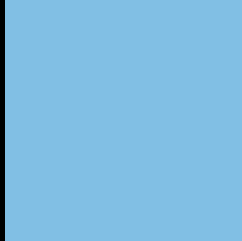
Large Text (above 18pt) WCAG AA × Fail

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 47.5302, 0.2458, 0.2803 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 47.5302, 0.2458, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 47.5302, 0.2458, 0.2803.

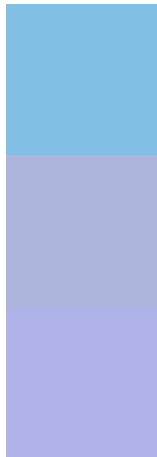


This preview shows how white text looks on a background with the Yxy color 47.5302, 0.2458, 0.2803.

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

47.5302, 0.2458, 0.2803

Protanopia

47.2669, 0.2777, 0.2791

Deuteranopia

47.1237, 0.2717, 0.2655



Tritanopia

47.5218, 0.2534, 0.3069

Trichromacy



Original Color

47.5302, 0.2458, 0.2803

Protanomaly

47.3488, 0.2648, 0.2793

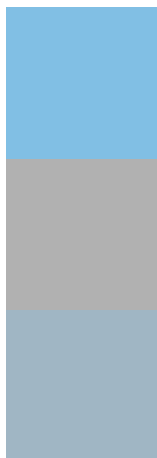
Deuteranomaly

46.8492, 0.2609, 0.2697

Tritanomaly

47.5853, 0.2505, 0.2965

Monochromacy



Original Color

47.5302, 0.2458, 0.2803

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.9150, 0.2844, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5302, 0.2458, 0.2803 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(129, 191, 228)` looks like.

```
.text, #text, p{  
    color:rgb(129, 191, 228)  
}
```

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(129, 191, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 191, 228) }
```

Border

The CSS property to change the border of an element to Yxy 47.5302, 0.2458, 0.2803 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(129, 191, 228) }
```

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

```
.border{ border-color:rgb(129, 191, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 191, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 191, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 191, 228); box-shadow:4px 4px 4px 4px rgb(129, 191, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5302, 0.2458, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 191, 228) }
```

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

```
.background{ background-color: rgb(129,  
191, 228) }
```

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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