

Converting Colors

$Y_{xy}(47.7623, 0.2602, 0.3085)$

Have a look what the booklet for
Yxy(47.7623, 0.2602, 0.3085)
contains.

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Color

Yxy(47.7623, 0.2602, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	86C1D0
RGB	134, 193, 208
RGB Percent	53%, 76%, 82%
CMY	0.4746, 0.2431, 0.1843
CMYK	0.36, 0.07, 0.00, 0.18
HSL	192°, 44%, 67%
HSV	192°, 36%, 82%
XYZ	40.2844, 47.7623, 66.7743
YIQ	177.0690, -39.9790, -7.8430

Conversions

Conversions Part 2

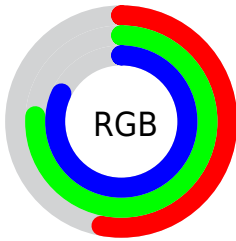
Format	Color
RYB	134, 167, 208
Decimal	8831440
CIELab	74.67, -15.26, -13.58
CIElCh	75, 20.430, 221.678
Yxy	47.7623, 0.2602, 0.3085
Android (android.graphics.Color)	4287021520 (0xFF86C1D0)
YUV	177.0690, 15.2490, -37.7715
Hunter-Lab	69.1103, -16.8952, -8.9088

Details

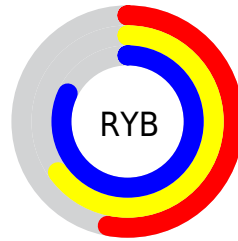
The Yxy color **47.7623, 0.2602, 0.3085** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6202, 0.3906, 0.3483**, and the grayscale version is **43.9375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5384, 0.2747, 0.3236**, and **22.5038, 0.2456, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **44.3829, 0.2473, 0.3018**, and if you desaturate by 10%, it is **51.5347, 0.2742, 0.3149**.

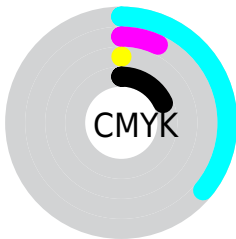
Distribution



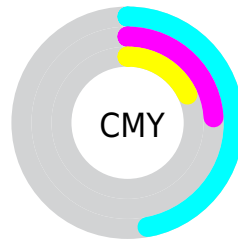
- Red (53%)
- Green (76%)
- Blue (82%)



- Red (53%)
- Yellow (65%)
- Blue (82%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (47%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7623, 0.2602, 0.3085 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 47.7623, 0.2602, 0.3085 by changing the saturation by 10% instead.

■ 47.7623, 0.2602,
0.3085

■ 47.7623, 0.2602,
0.3085

■ 377.8492, 0.2859,
0.3192

■ 33.6387, 0.2540,
0.3057

■ 86.8504, 0.2694,
0.3125

■ 22.6162, 0.2461,
0.3021

■ 112.5837, 0.2729,
0.3139

■ 14.3103, 0.2359,
0.2973

■ 142.9556, 0.2758,
0.3151

■ 8.3368, 0.2220,
0.2903

■ 178.3506, 0.2784,
0.3162

■ 4.3112, 0.2023,
0.2797

■ 219.1531, 0.2806,
0.3171

■ 1.8491, 0.1722,
0.2618

■ 265.7474, 0.2826,

■ 0.5175, 0.0528,

0.3179

0.2289

318.5179, 0.2843,
0.3185

0.0000, 0.0000,
0.0000

47.7623, 0.2602,
0.3085

47.7623, 0.2602,
0.3085

44.3829, 0.2473,
0.3018

51.5347, 0.2742,
0.3149

41.3706, 0.2358,
0.2947

55.7131, 0.2889,
0.3208

38.7051, 0.2259,
0.2874

60.3166, 0.3041,
0.3262

36.3611, 0.2179,
0.2800

65.3615, 0.3195,
0.3311

34.3096, 0.2118,
0.2726

70.8631, 0.3348,
0.3355

■ 32.5149, 0.2076,
0.2653

■ 76.1111, 0.3470,
0.3395

■ 31.7756, 0.2061,
0.2620

■ 78.3290, 0.3462,
0.3438

■ 80.6029, 0.3454,
0.3480

■ 82.9332, 0.3447,
0.3521

Harmonies

Analogous

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



47.7623, 0.2716, 0.3345



47.7623, 0.2602, 0.3085



47.7623, 0.2621, 0.2898

Triad

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



47.7623, 0.2602, 0.3085



47.7623, 0.3303, 0.3005



47.7623, 0.3484, 0.3784

Complementary

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



47.7623, 0.2602, 0.3085



36.6202, 0.3906, 0.3483

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.



47.7623, 0.3656, 0.3663



47.7623, 0.2602, 0.3085



47.7623, 0.3551, 0.3217

Square

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



47.7623, 0.2602, 0.3085



47.7623, 0.3015, 0.2863



47.7623, 0.3683, 0.3454



47.7623, 0.3220, 0.3767

Rectangle

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



47.7623, 0.2602, 0.3085



47.7623, 0.2706, 0.2834



47.7623, 0.3683, 0.3454



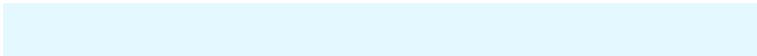
47.7623, 0.3555, 0.3757

Sweetspot

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



47.7642, 0.2602, 0.3085



91.4898, 0.2957, 0.3232



52.3451, 0.2985, 0.4135



19.3708, 0.2936, 0.3225



0.0000, 0.0000, 0.0000



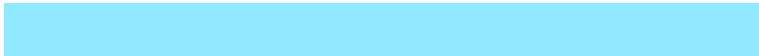
21.4041, 0.3127, 0.3290

Same Dimension

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



47.7642, 0.2602, 0.3085



71.4258, 0.2499, 0.3032



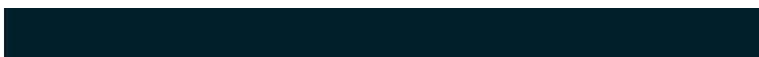
33.4612, 0.2530, 0.2555



12.9832, 0.2983, 0.3242



19.9431, 0.2064, 0.2631



1.2207, 0.2101, 0.2765

Inverse Universe

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



34.3061, 0.3315, 0.2575



47.4886, 0.3369, 0.2420



50.1649, 0.3746, 0.3928



11.9663, 0.3168, 0.3107



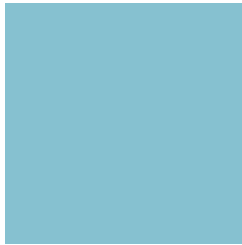
10.0845, 0.3794, 0.1864



0.5745, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 47.7623, 0.2602, 0.3085 looks on a white background.

Color Contrast Check

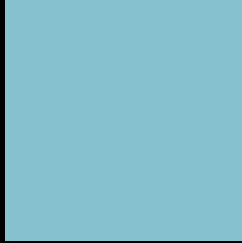
Large Text (above 18pt) WCAG AA × Fail

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 47.7623, 0.2602, 0.3085 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

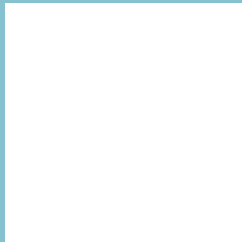
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7623, 0.2602, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 47.7623, 0.2602, 0.3085.



This preview shows how white text looks on a background with the Yxy color 47.7623, 0.2602, 0.3085.

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

47.7623, 0.2602, 0.3085

Protanopia

47.4967, 0.2973, 0.3048

Deuteranopia

47.5081, 0.2947, 0.2895



Tritanopia

47.7623, 0.2602, 0.3085

Trichromacy



Original Color

47.7623, 0.2602, 0.3085

Protanomaly

47.3700, 0.2822, 0.3054

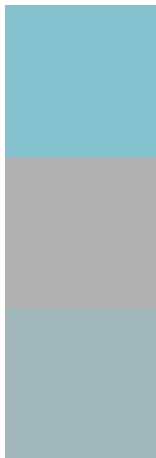
Deuteranomaly

47.2590, 0.2809, 0.2955

Tritanomaly

47.7623, 0.2602, 0.3085

Monochromacy



Original Color

47.7623, 0.2602, 0.3085

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.0749, 0.2910, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7623, 0.2602, 0.3085 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(134, 193, 208)` looks like.

```
.text, #text, p{  
    color:rgb(134, 193, 208)  
}
```

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(134, 193, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 193, 208) }
```

Border

The CSS property to change the border of an element to Yxy 47.7623, 0.2602, 0.3085 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(134, 193, 208) }
```

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

```
.border{ border-color:rgb(134, 193, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 193, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 193, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 193, 208);  
box-shadow:4px 4px 4px 4px rgb(134, 193,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7623, 0.2602, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 193, 208) }
```

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

```
.background{ background-color: rgb(134,  
193, 208) }
```

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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