

Converting Colors

$Y_{xy}(47.6825, 0.2514, 0.2968)$

Have a look what the booklet for
Yxy(47.6825, 0.2514, 0.2968)
contains.

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Color

Yxy(47.6617, 0.2510, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	7FC1D9
RGB	127, 193, 217
RGB Percent	50%, 76%, 85%
CMY	0.5020, 0.2431, 0.1489
CMYK	0.41, 0.11, 0.00, 0.15
HSL	196°, 54%, 67%
HSV	196°, 41%, 85%
XYZ	40.3477, 47.6617, 72.7383
YIQ	176.0020, -47.0400, -6.5280

Conversions

Conversions Part 2

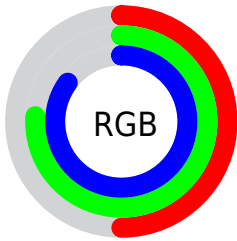
Format	Color
RYB	127, 165, 217
Decimal	8372697
CIELab	74.61, -14.79, -18.61
CIELCh	75, 23.770, 231.529
Yxy	47.6617, 0.2510, 0.2965
Android (android.graphics.Color)	4286562777 (0xFF7FC1D9)
YUV	176.0020, 20.2120, -42.9748
Hunter-Lab	69.0375, -16.4945, -14.1421

Details

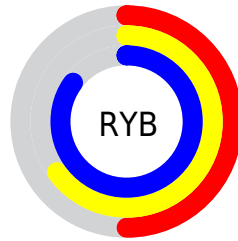
The Yxy color **47.6617, 0.2510, 0.2965** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.4254, 0.4062, 0.3586**, and the grayscale version is **43.3281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6585, 0.2710, 0.3235**, and **22.4516, 0.2350, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **43.6624, 0.2381, 0.2872**, and if you desaturate by 10%, it is **52.1238, 0.2650, 0.3053**.

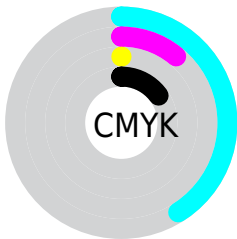
Distribution



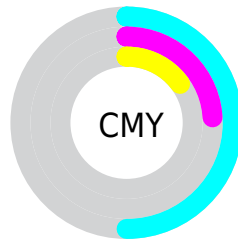
- Red (50%)
- Green (76%)
- Blue (85%)



- Red (50%)
- Yellow (65%)
- Blue (85%)



- Cyan (41%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (50%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6617, 0.2510, 0.2965 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 47.6617, 0.2510, 0.2965 by changing the saturation by 10% instead.

■ 47.6617, 0.2510,
0.2965

■ 47.6617, 0.2510,
0.2965

377.4496, 0.2810,
0.3132

■ 33.5591, 0.2438,
0.2923

■ 86.7005, 0.2617,
0.3026

■ 22.5551, 0.2347,
0.2868

■ 112.4054, 0.2658,
0.3049

■ 14.2653, 0.2230,
0.2795

■ 142.7466, 0.2692,
0.3068

■ 8.3054, 0.2073,
0.2692

178.1084, 0.2722,
0.3085

■ 4.2910, 0.1852,
0.2540

218.8752, 0.2749,
0.3099

■ 1.8376, 0.1526,
0.2294

265.4314, 0.2772,

■ 0.5105, 0.0444,

0.3111

0.1826

318.1614, 0.2792,
0.3122

0.0000, 0.0000,
0.0000

47.6617, 0.2510,
0.2965

47.6617, 0.2510,
0.2965

43.6624, 0.2381,
0.2872

52.1238, 0.2650,
0.3053

40.0960, 0.2266,
0.2774

57.0655, 0.2798,
0.3136

36.9372, 0.2169,
0.2674

62.5094, 0.2951,
0.3211

34.1550, 0.2091,
0.2574

68.4746, 0.3104,
0.3280

31.7125, 0.2034,
0.2474

74.9793, 0.3257,
0.3342

■ 29.8487, 0.1997,
0.2390

■ 81.6204, 0.3391,
0.3398

■ 84.8557, 0.3382,
0.3455

■ 88.1987, 0.3374,
0.3512

■ 91.6504, 0.3365,
0.3567

Harmonies

Analogous

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



47.6617, 0.2591, 0.3247



47.6617, 0.2510, 0.2965



47.6617, 0.2582, 0.2791

Triad

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



47.6617, 0.2510, 0.2965



47.6617, 0.3436, 0.3034



47.6617, 0.3447, 0.3880

Complementary

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



47.6617, 0.2510, 0.2965



38.4254, 0.4062, 0.3586

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.



47.6617, 0.3693, 0.3782



47.6617, 0.2510, 0.2965



47.6617, 0.3691, 0.3292

Square

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



47.6617, 0.2510, 0.2965



47.6617, 0.3104, 0.2840



47.6617, 0.3786, 0.3563



47.6617, 0.3123, 0.3804

Rectangle

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



47.6617, 0.2510, 0.2965



47.6617, 0.2709, 0.2749



47.6617, 0.3786, 0.3563



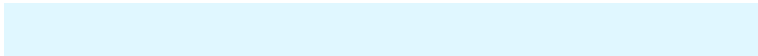
47.6617, 0.3542, 0.3865

Sweetspot

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



47.6635, 0.2510, 0.2965



89.5519, 0.2941, 0.3207



56.3864, 0.2930, 0.4219



18.9387, 0.2921, 0.3197



0.0000, 0.0000, 0.0000



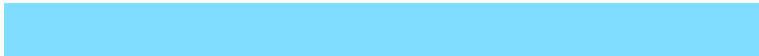
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6635, 0.2510, 0.2965



63.4722, 0.2394, 0.2881



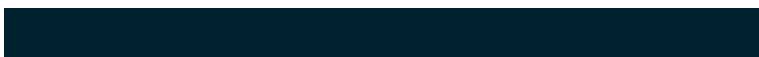
30.7007, 0.2405, 0.2317



14.2111, 0.2982, 0.3226



18.2453, 0.2001, 0.2404



1.3208, 0.2046, 0.2566

Inverse Universe

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



33.7817, 0.3416, 0.2518



41.7876, 0.3501, 0.2362



55.7769, 0.3836, 0.4099



13.2124, 0.3178, 0.3120



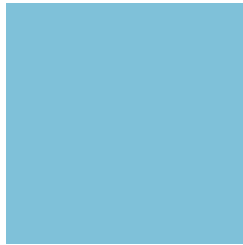
10.4656, 0.4019, 0.1988



0.6920, 0.3858, 0.1899

Previews

White Background



This preview shows how the Yxy color 47.6617, 0.2510, 0.2965 looks on a white background.

Color Contrast Check

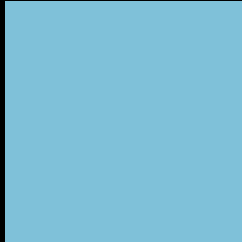
Large Text (above 18pt) WCAG AA × Fail

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 47.6617, 0.2510, 0.2965 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 47.6617, 0.2510, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 47.6617, 0.2510, 0.2965.



This preview shows how white text looks on a background with the Yxy color 47.6617, 0.2510, 0.2965.

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

47.6617, 0.2510, 0.2965

Protanopia

47.1162, 0.2891, 0.2936

Deuteranopia

47.3526, 0.2843, 0.2786



Tritanopia

47.5967, 0.2540, 0.3070

Trichromacy



Original Color

47.6617, 0.2510, 0.2965

Protanomaly

46.8223, 0.2731, 0.2938

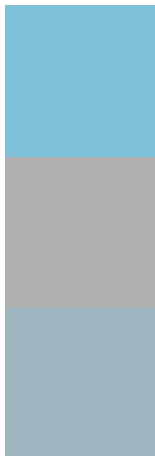
Deuteranomaly

47.0768, 0.2706, 0.2842

Tritanomaly

47.8233, 0.2529, 0.3030

Monochromacy



Original Color

47.6617, 0.2510, 0.2965

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4866, 0.2864, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6617, 0.2510, 0.2965 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(127, 193, 217)` looks like.

```
.text, #text, p{  
    color:rgb(127, 193, 217)  
}
```

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(127, 193, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 193, 217) }
```

Border

The CSS property to change the border of an element to Yxy 47.6617, 0.2510, 0.2965 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(127, 193, 217) }
```

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

```
.border{ border-color:rgb(127, 193, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 193, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 193, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 193, 217);  
box-shadow:4px 4px 4px 4px rgb(127, 193,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6617, 0.2510, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 193, 217) }
```

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

```
.background{ background-color: rgb(127,  
193, 217) }
```

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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