

Converting Colors

$Yxy(47.5404, 0.2471, 0.2980)$

Have a look what the booklet for
Yxy(47.5404, 0.2471, 0.2980)
contains.

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Color

Yxy(47.5153, 0.2469, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	77C2D9
RGB	119, 194, 217
RGB Percent	47%, 76%, 85%
CMY	0.5334, 0.2392, 0.1491
CMYK	0.45, 0.11, 0.00, 0.15
HSL	194°, 56%, 66%
HSV	194°, 45%, 85%
XYZ	39.4205, 47.5153, 72.7259
YIQ	174.1970, -52.0830, -8.7470

Conversions

Conversions Part 2

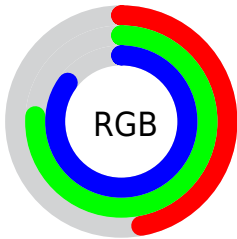
Format	Color
R _Y B	119, 161, 217
Decimal	7848665
CIE Lab	74.52, -17.29, -18.76
CIE LCh	75, 25.512, 227.338
Yxy	47.5153, 0.2469, 0.2976
Android (android.graphics.Color)	4286038745 (0xFF77C2D9)
YUV	174.1970, 21.1019, -48.4078
Hunter-Lab	68.9313, -18.5493, -14.3019

Details

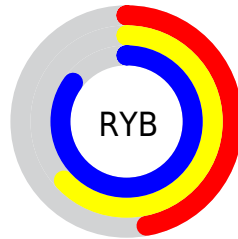
The Yxy color **47.5153, 0.2469, 0.2976** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.4158, 0.4198, 0.3573**, and the grayscale version is **42.3428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4445, 0.2676, 0.3245**, and **22.3889, 0.2298, 0.2876** is the 20% darker color. If you saturate the color by 10%, you get **43.9274, 0.2349, 0.2893**, and if you desaturate by 10%, it is **51.5348, 0.2602, 0.3055**.

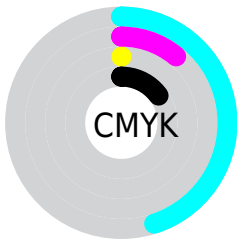
Distribution



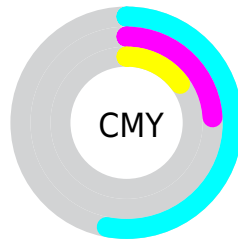
- Red (47%)
- Green (76%)
- Blue (85%)



- Red (47%)
- Yellow (63%)
- Blue (85%)



- Cyan (45%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5153, 0.2469, 0.2976 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 47.5153, 0.2469, 0.2976 by changing the saturation by 10% instead.

■ 47.5153, 0.2469,
0.2976

■ 47.5153, 0.2469,
0.2976

■ 376.8677, 0.2789,
0.3138

■ 33.4432, 0.2393,
0.2934

■ 86.4823, 0.2583,
0.3036

■ 22.4662, 0.2297,
0.2880

■ 112.1460, 0.2626,
0.3058

■ 14.1998, 0.2172,
0.2808

■ 142.4423, 0.2663,
0.3077

■ 8.2598, 0.2006,
0.2705

■ 177.7557, 0.2695,
0.3093

■ 4.2616, 0.1774,
0.2552

■ 218.4706, 0.2723,
0.3107

■ 1.8210, 0.1435,
0.2304

■ 264.9712, 0.2747,

■ 0.5002, 0.0197,

0.3119

0.1844

317.6421, 0.2769,
0.3129

0.0000, 0.0000,
0.0000

47.5153, 0.2469,
0.2976

47.5153, 0.2469,
0.2976

43.9274, 0.2349,
0.2893

51.5348, 0.2602,
0.3055

40.7407, 0.2245,
0.2808

56.0030, 0.2745,
0.3129

37.9289, 0.2160,
0.2721

60.9427, 0.2895,
0.3197

35.4598, 0.2094,
0.2634

66.3731, 0.3048,
0.3260

33.2937, 0.2048,
0.2547

72.3126, 0.3201,
0.3317

■ 32.3216, 0.2029,
0.2506

■ 78.7782, 0.3354,
0.3368

■ 82.6496, 0.3388,
0.3417

■ 85.5162, 0.3381,
0.3467

■ 88.4661, 0.3373,
0.3517

Harmonies

Analogous

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



47.5153, 0.2578, 0.3290



47.5153, 0.2469, 0.2976



47.5153, 0.2523, 0.2772

Triad

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



47.5153, 0.2469, 0.2976



47.5153, 0.3411, 0.2981



47.5153, 0.3513, 0.3921

Complementary

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



47.5153, 0.2469, 0.2976



35.4158, 0.4198, 0.3573

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.



47.5153, 0.3760, 0.3790



47.5153, 0.2469, 0.2976



47.5153, 0.3704, 0.3250

Square

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



47.5153, 0.2469, 0.2976



47.5153, 0.3051, 0.2788



47.5153, 0.3833, 0.3541



47.5153, 0.3171, 0.3868

Rectangle

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



47.5153, 0.2469, 0.2976



47.5153, 0.2646, 0.2715



47.5153, 0.3833, 0.3541



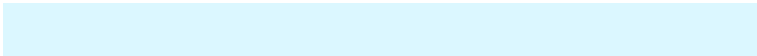
47.5153, 0.3610, 0.3895

Sweetspot

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



47.5171, 0.2469, 0.2976



88.6223, 0.2910, 0.3204



55.4861, 0.2935, 0.4367



18.6209, 0.2877, 0.3190



0.0000, 0.0000, 0.0000



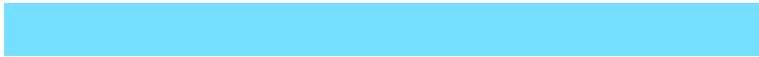
21.4041, 0.3127, 0.3290

Same Dimension

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



47.5171, 0.2469, 0.2976



63.6469, 0.2357, 0.2899



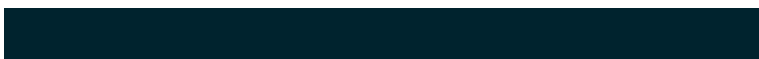
29.2179, 0.2344, 0.2262



14.2851, 0.2982, 0.3234



19.7385, 0.2033, 0.2518



1.4067, 0.2072, 0.2659

Inverse Universe

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



31.8356, 0.3415, 0.2419



39.3651, 0.3495, 0.2259



53.2770, 0.3921, 0.4134



13.2199, 0.3173, 0.3113



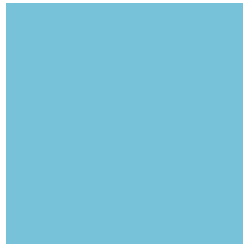
10.6164, 0.3904, 0.1924



0.7007, 0.3768, 0.1849

Previews

White Background



This preview shows how the Yxy color 47.5153, 0.2469, 0.2976 looks on a white background.

Color Contrast Check

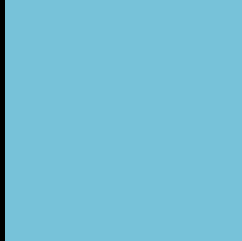
Large Text (above 18pt) WCAG AA × Fail

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 47.5153, 0.2469, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

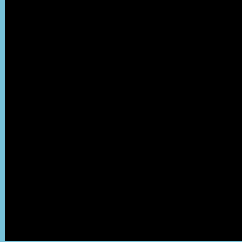
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5153, 0.2469, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 47.5153, 0.2469, 0.2976.



This preview shows how white text looks on a background with the Yxy color 47.5153, 0.2469, 0.2976.

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

47.5153, 0.2469, 0.2976

Protanopia

47.0668, 0.2898, 0.2948

Deuteranopia

46.8319, 0.2835, 0.2772



Tritanopia

47.5153, 0.2493, 0.3068

Trichromacy



Original Color

47.5153, 0.2469, 0.2976

Protanomaly

46.9891, 0.2725, 0.2962

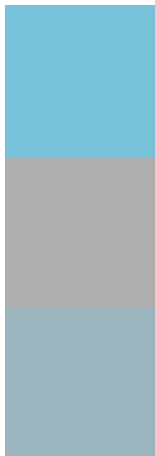
Deuteranomaly

46.6646, 0.2678, 0.2839

Tritanomaly

47.6859, 0.2487, 0.3042

Monochromacy



Original Color

47.5153, 0.2469, 0.2976

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 47.5153, 0.2469, 0.2976 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(119, 194, 217)` looks like.

```
.text, #text, p{  
    color:rgb(119, 194, 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(119, 194, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 194, 217) }
```

Border

The CSS property to change the border of an element to Yxy 47.5153, 0.2469, 0.2976 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(119, 194, 217) }
```

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

```
.border{ border-color:rgb(119, 194, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 194, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 194, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 194, 217); box-shadow:4px 4px 4px 4px rgb(119, 194, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5153, 0.2469, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 194, 217) }
```

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

```
.background{ background-color: rgb(119,  
194, 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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