

Converting Colors

$Y_{xy}(47.6277, 0.2469, 0.3080)$

Have a look what the booklet for
Yxy(47.6277, 0.2469, 0.3080)
contains.

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Color

Yxy(47.6277, 0.2469, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	70C4D3
RGB	112, 196, 211
RGB Percent	44%, 77%, 83%
CMY	0.5609, 0.2314, 0.1724
CMYK	0.47, 0.07, 0.00, 0.17
HSL	189°, 53%, 63%
HSV	189°, 47%, 83%
XYZ	38.1795, 47.6277, 68.8282
YIQ	172.5940, -54.8790, -13.1430

Conversions

Conversions Part 2

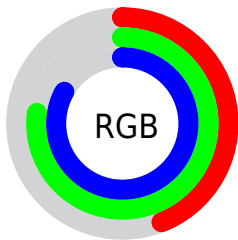
Format	Color
R _{YB}	112, 157, 211
Decimal	7390419
CIE Lab	74.59, -21.55, -15.46
CIE LCh	75, 26.520, 215.649
Yxy	47.6277, 0.2469, 0.3080
Android (android.graphics.Color)	4285580499 (0xFF70C4D3)
YUV	172.5940, 18.9342, -53.1409
Hunter-Lab	69.0128, -22.0221, -10.8224

Details

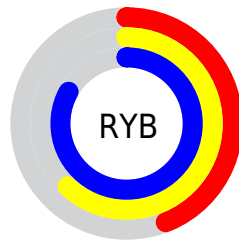
The Yxy color **47.6277, 0.2469, 0.3080** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.2000, 0.4309, 0.3481**, and the grayscale version is **41.4926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9056, 0.2644, 0.3267**, and **22.5032, 0.2300, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **44.9754, 0.2362, 0.3028**, and if you desaturate by 10%, it is **50.6388, 0.2591, 0.3130**.

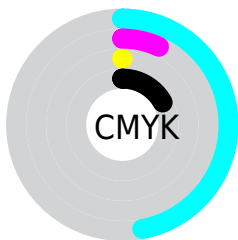
Distribution



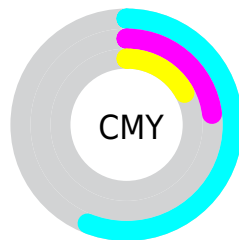
- Red (44%)
- Green (77%)
- Blue (83%)



- Red (44%)
- Yellow (62%)
- Blue (83%)



- Cyan (47%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)




- Cyan (56%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6277, 0.2469, 0.3080 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 47.6277, 0.2469, 0.3080 by changing the saturation by 10% instead.

 47.6277, 0.2469,
0.3080

 47.6277, 0.2469,
0.3080


377.3145, 0.2789,
0.3192


 33.5322, 0.2392,
0.3050


 86.6498, 0.2583,
0.3122

 22.5344, 0.2296,
0.3011


 112.3452, 0.2626,
0.3138

 14.2501, 0.2171,
0.2957


 142.6760, 0.2663,
0.3150

 8.2948, 0.2004,
0.2880

178.0265, 0.2695,
0.3161

 4.2842, 0.1769,
0.2761

218.7813, 0.2723,
0.3171

 1.8338, 0.1423,
0.2557

265.3246, 0.2748,

 0.5081, 0.0000,

0.3179

0.2201

318.0409, 0.2769,
0.3186

0.0000, 0.0000,
0.0000

47.6277, 0.2469,
0.3080

47.6277, 0.2469,
0.3080

44.9754, 0.2362,
0.3028

50.6388, 0.2591,
0.3130

42.6532, 0.2273,
0.2974

54.0242, 0.2726,
0.3178

40.6368, 0.2203,
0.2920


57.8049, 0.2870,
0.3223


38.8954, 0.2152,
0.2866

61.9988, 0.3020,
0.3264


37.3890, 0.2119,
0.2813

66.6226, 0.3174,
0.3301

 36.9535, 0.2110,
0.2796

 71.6919, 0.3329,
0.3335

 76.3212, 0.3448,
0.3366

 78.0016, 0.3442,
0.3398

 79.7143, 0.3437,
0.3430

Harmonies

Analogous

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



47.6277, 0.2643, 0.3431



47.6277, 0.2469, 0.3080



47.6277, 0.2459, 0.2818

Triad

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



47.6277, 0.2469, 0.3080



47.6277, 0.3278, 0.2880



47.6277, 0.3644, 0.3912

Complementary

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



47.6277, 0.2469, 0.3080



30.2000, 0.4309, 0.3481

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.



47.6277, 0.3838, 0.3717



47.6277, 0.2469, 0.3080



47.6277, 0.3624, 0.3133

Square

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



47.6277, 0.2469, 0.3080



47.6277, 0.2908, 0.2723



47.6277, 0.3833, 0.3433



47.6277, 0.3316, 0.3938

Rectangle

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



47.6277, 0.2469, 0.3080



47.6277, 0.2545, 0.2720



47.6277, 0.3833, 0.3433



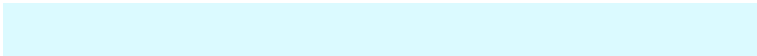
47.6277, 0.3728, 0.3862

Sweetspot

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



47.6295, 0.2469, 0.3080



90.4402, 0.2911, 0.3234



51.5744, 0.2976, 0.4541



19.0674, 0.2879, 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.



47.6295, 0.2469, 0.3080



69.1484, 0.2366, 0.3029



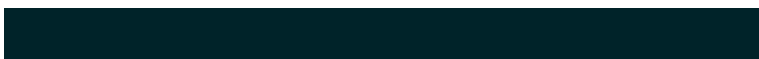
28.9032, 0.2335, 0.2342



13.0888, 0.2983, 0.3254



22.4149, 0.2112, 0.2804



1.3380, 0.2140, 0.2902

Inverse Universe

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



29.4207, 0.3338, 0.2304



38.7952, 0.3393, 0.2129



46.2143, 0.4001, 0.4073



11.9769, 0.3161, 0.3095



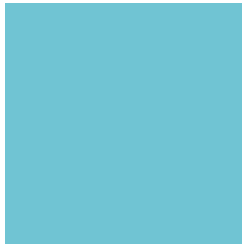
10.3341, 0.3631, 0.1774



0.5864, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 47.6277, 0.2469, 0.3080 looks on a white background.

Color Contrast Check

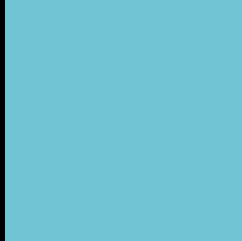
Large Text (above 18pt) WCAG AA × Fail

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 47.6277, 0.2469, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

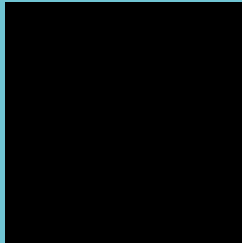
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6277, 0.2469, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 47.6277, 0.2469, 0.3080.



This preview shows how white text looks on a background with the Yxy color 47.6277, 0.2469, 0.3080.

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

47.6277, 0.2469, 0.3080

Protanopia

47.0153, 0.2958, 0.3023

Deuteranopia

47.0614, 0.2902, 0.2834



Tritanopia

47.6781, 0.2464, 0.3067

Trichromacy



Original Color

47.6277, 0.2469, 0.3080

Protanomaly

46.4942, 0.2750, 0.3037

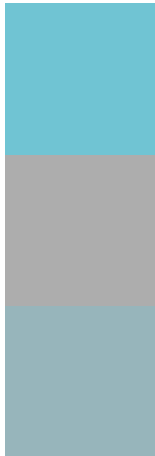
Deuteranomaly

46.8221, 0.2711, 0.2912

Tritanomaly

47.6781, 0.2464, 0.3067

Monochromacy



Original Color

47.6277, 0.2469, 0.3080

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.2149, 0.2838, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6277, 0.2469, 0.3080 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(112, 196, 211)` looks like.

```
.text, #text, p{  
    color:rgb(112, 196, 211)  
}
```

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(112, 196, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 196, 211) }
```

Border

The CSS property to change the border of an element to Yxy 47.6277, 0.2469, 0.3080 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(112, 196, 211) }
```

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

```
.border{ border-color:rgb(112, 196, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 196, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 196, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 196, 211);  
box-shadow:4px 4px 4px 4px rgb(112, 196,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6277, 0.2469, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 196, 211) }
```

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

```
.background{ background-color: rgb(112,  
196, 211) }
```

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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