

Converting Colors

$Y_{xy}(47.7983, 0.2514, 0.3069)$

Have a look what the booklet for
Yxy(47.7983, 0.2514, 0.3069)
contains.

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Color

Yxy(47.7983, 0.2514, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	79C3D3
RGB	121, 195, 211
RGB Percent	47%, 76%, 83%
CMY	0.5256, 0.2353, 0.1725
CMYK	0.43, 0.08, 0.00, 0.17
HSL	191°, 51%, 65%
HSV	191°, 43%, 83%
XYZ	39.1544, 47.7983, 68.7928
YIQ	174.6980, -49.2400, -10.7120

Conversions

Conversions Part 2

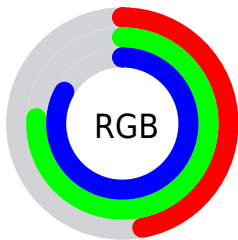
Format	Color
R _{YB}	121, 162, 211
Decimal	7979987
CIE Lab	74.70, -18.90, -15.24
CIE LCh	75, 24.281, 218.879
Yxy	47.7983, 0.2514, 0.3069
Android (android.graphics.Color)	4286170067 (0xFF79C3D3)
YUV	174.6980, 17.8969, -47.0931
Hunter-Lab	69.1363, -19.8975, -10.6000

Details

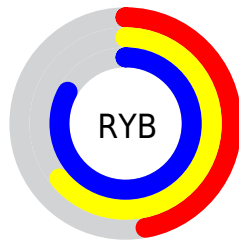
The Yxy color **47.7983, 0.2514, 0.3069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.1093, 0.4142, 0.3494**, and the grayscale version is **42.6275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1879, 0.2682, 0.3256**, and **22.5739, 0.2356, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **44.7804, 0.2397, 0.3008**, and if you desaturate by 10%, it is **51.1954, 0.2644, 0.3127**.

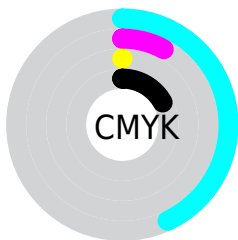
Distribution



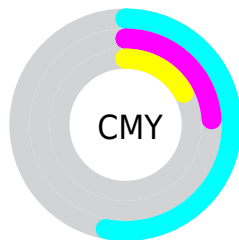
- Red (47%)
- Green (76%)
- Blue (83%)



- Red (47%)
- Yellow (64%)
- Blue (83%)



- Cyan (43%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)




- Cyan (53%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7983, 0.2514, 0.3069 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 47.7983, 0.2514, 0.3069 by changing the saturation by 10% instead.


 47.7983, 0.2514,
0.3069

 47.7983, 0.2514,
0.3069


377.9921, 0.2812,
0.3185


 33.6672, 0.2442,
0.3039


 86.9040, 0.2620,
0.3112

 22.6380, 0.2352,
0.2999


 112.6474, 0.2661,
0.3128

 14.3265, 0.2235,
0.2944


 143.0303, 0.2695,
0.3142

 8.3481, 0.2077,
0.2867

178.4372, 0.2725,
0.3153

 4.3185, 0.1855,
0.2748

219.2525, 0.2751,
0.3163

 1.8533, 0.1525,
0.2548

265.8604, 0.2774,

 0.5200, 0.0140,

0.3171

0.2212

318.6455, 0.2794,
0.3179

0.0000, 0.0000,
0.0000

47.7983, 0.2514,
0.3069

47.7983, 0.2514,
0.3069

44.7804, 0.2397,
0.3008

51.1954, 0.2644,
0.3127

42.1139, 0.2297,
0.2945

54.9865, 0.2785,
0.3182

39.7757, 0.2215,
0.2881

59.1921, 0.2933,
0.3232

37.7373, 0.2152,
0.2817

63.8296, 0.3086,
0.3278

35.9642, 0.2108,
0.2753

68.9154, 0.3240,
0.3320

■ 34.7902, 0.2085,
0.2707

■ 74.4650, 0.3394,
0.3358

■ 77.8079, 0.3443,
0.3394

■ 79.8125, 0.3437,
0.3432

■ 81.8616, 0.3430,
0.3469

Harmonies

Analogous

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



47.7983, 0.2660, 0.3384



47.7983, 0.2514, 0.3069



47.7983, 0.2522, 0.2839

Triad

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



47.7983, 0.2514, 0.3069



47.7983, 0.3303, 0.2935



47.7983, 0.3573, 0.3870

Complementary

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



47.7983, 0.2514, 0.3069



33.1093, 0.4142, 0.3494

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.



47.7983, 0.3767, 0.3708



47.7983, 0.2514, 0.3069



47.7983, 0.3609, 0.3176

Square

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



47.7983, 0.2514, 0.3069



47.7983, 0.2962, 0.2778



47.7983, 0.3782, 0.3454



47.7983, 0.3265, 0.3871

Rectangle

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



47.7983, 0.2514, 0.3069



47.7983, 0.2612, 0.2758



47.7983, 0.3782, 0.3454



47.7983, 0.3655, 0.3831

Sweetspot

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



47.8002, 0.2514, 0.3069



90.5458, 0.2926, 0.3230



52.4302, 0.2979, 0.4385



19.0616, 0.2893, 0.3219



0.0000, 0.0000, 0.0000



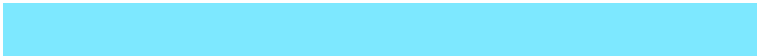
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8002, 0.2514, 0.3069



69.2312, 0.2410, 0.3015



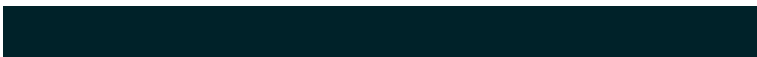
30.8920, 0.2407, 0.2422



13.0349, 0.2983, 0.3248



21.1307, 0.2088, 0.2716



1.2773, 0.2120, 0.2833

Inverse Universe

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



31.4563, 0.3339, 0.2412



41.7349, 0.3396, 0.2246



48.2736, 0.3902, 0.4022



11.9715, 0.3164, 0.3101



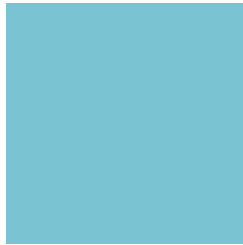
10.2044, 0.3713, 0.1819



0.5802, 0.3605, 0.1759

Previews

White Background



This preview shows how the Yxy color 47.7983, 0.2514, 0.3069 looks on a white background.

Color Contrast Check

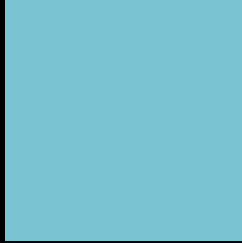
Large Text (above 18pt) WCAG AA × Fail

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 47.7983, 0.2514, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

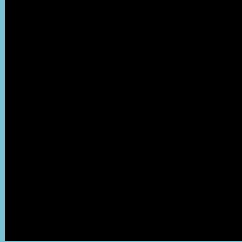
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7983, 0.2514, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 47.7983, 0.2514, 0.3069.



This preview shows how white text looks on a background with the Yxy color 47.7983, 0.2514, 0.3069.

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

47.7983, 0.2514, 0.3069

Protanopia

47.4235, 0.2958, 0.3035

Deuteranopia

47.4608, 0.2902, 0.2846



Tritanopia

47.7983, 0.2514, 0.3069

Trichromacy



Original Color

47.7983, 0.2514, 0.3069

Protanomaly

47.3194, 0.2779, 0.3052

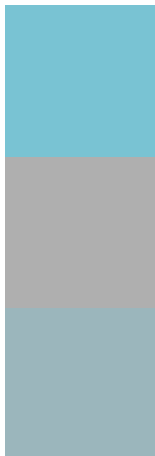
Deuteranomaly

47.2343, 0.2740, 0.2915

Tritanomaly

47.7983, 0.2514, 0.3069

Monochromacy



Original Color

47.7983, 0.2514, 0.3069

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.0553, 0.2862, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7983, 0.2514, 0.3069 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(121, 195, 211)` looks like.

```
.text, #text, p{  
    color:rgb(121, 195, 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(121, 195, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 195, 211) }
```

Border

The CSS property to change the border of an element to Yxy 47.7983, 0.2514, 0.3069 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(121, 195, 211) }
```

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

```
.border{ border-color:rgb(121, 195, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 195, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 195, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 195, 211);  
box-shadow:4px 4px 4px 4px rgb(121, 195,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7983, 0.2514, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 195, 211) }
```

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

```
.background{ background-color: rgb(121,  
195, 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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