

Converting Colors

$Y_{xy}(49.7082, 0.2476, 0.3045)$

Have a look what the booklet for
Yxy(49.7082, 0.2476, 0.3045)
contains.

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Color

Yxy(49.7082, 0.2476, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	76C7D9
RGB	118, 199, 217
RGB Percent	46%, 78%, 85%
CMY	0.5373, 0.2196, 0.1490
CMYK	0.46, 0.08, 0.00, 0.15
HSL	191°, 57%, 66%
HSV	191°, 46%, 85%
XYZ	40.4195, 49.7082, 73.1176
YIQ	176.8330, -54.0540, -11.5740

Conversions

Conversions Part 2

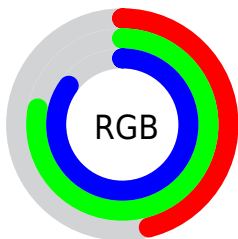
Format	Color
R _{YB}	118, 163, 217
Decimal	7784409
CIE _{Lab}	75.89, -20.08, -16.71
CIE _{LCh}	76, 26.120, 219.768
Y _{xy}	49.7082, 0.2476, 0.3045
Android (android.graphics.Color)	4285974489 (0xFF76C7D9)
YUV	176.8330, 19.8023, -51.5965
Hunter-Lab	70.5040, -21.0491, -12.1350

Details

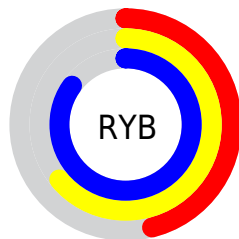
The Yxy color **49.7082, 0.2476, 0.3045** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.6719, 0.4245, 0.3513**, and the grayscale version is **43.7906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **23.8201, 0.2310, 0.2972** is the 20% darker color. If you saturate the color by 10%, you get **46.5686, 0.2363, 0.2982**, and if you desaturate by 10%, it is **53.2481, 0.2603, 0.3106**.

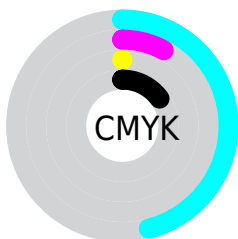
Distribution



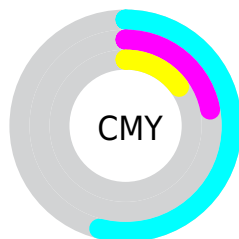
- Red (46%)
- Green (78%)
- Blue (85%)



- Red (46%)
- Yellow (64%)
- Blue (85%)



- Cyan (46%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)




- Cyan (54%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7082, 0.2476, 0.3045 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 49.7082, 0.2476, 0.3045 by changing the saturation by 10% instead.


 49.7082, 0.2476,
0.3045


 49.7082, 0.2476,
0.3045


385.5237, 0.2790,
0.3173


 35.1816, 0.2401,
0.3012


 89.7424, 0.2587,
0.3093

 23.8028, 0.2308,
0.2969


 116.0188, 0.2630,
0.3110

 15.1874, 0.2187,
0.2910


 146.9805, 0.2666,
0.3125

 8.9510, 0.2027,
0.2827

183.0120, 0.2698,
0.3137

 4.7092, 0.1804,
0.2703

224.4977, 0.2725,
0.3148

 2.0777, 0.1478,
0.2497

271.8220, 0.2749,

 0.6520, 0.0435,

0.3157

0.2189

325.3692, 0.2771,
0.3166

0.0000, 0.0000,
0.0000

49.7082, 0.2476,
0.3045

49.7082, 0.2476,
0.3045

46.5686, 0.2363,
0.2982

53.2481, 0.2603,
0.3106

43.7991, 0.2268,
0.2917

57.2051, 0.2742,
0.3163

41.3737, 0.2191,
0.2851

61.6015, 0.2889,
0.3216

39.2603, 0.2133,
0.2785

66.4564, 0.3040,
0.3265

37.4192, 0.2094,
0.2720

71.7876, 0.3195,
0.3309

■ 36.6689, 0.2081,
0.2691

■ 77.6121, 0.3349,
0.3349

■ 81.0081, 0.3393,
0.3387

■ 83.1875, 0.3387,
0.3426

■ 85.4168, 0.3381,
0.3465

Harmonies

Analogous

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



49.7082, 0.2625, 0.3379



49.7082, 0.2476, 0.3045



49.7082, 0.2489, 0.2806

Triad

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



49.7082, 0.2476, 0.3045



49.7082, 0.3324, 0.2921



49.7082, 0.3592, 0.3908

Complementary

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



49.7082, 0.2476, 0.3045



33.6719, 0.4245, 0.3513

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.



49.7082, 0.3802, 0.3739



49.7082, 0.2476, 0.3045



49.7082, 0.3647, 0.3177

Square

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



49.7082, 0.2476, 0.3045



49.7082, 0.2961, 0.2752



49.7082, 0.3826, 0.3470



49.7082, 0.3262, 0.3906

Rectangle

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



49.7082, 0.2476, 0.3045



49.7082, 0.2587, 0.2724



49.7082, 0.3826, 0.3470



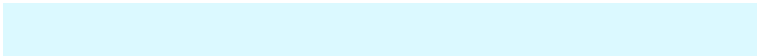
49.7082, 0.3679, 0.3868

Sweetspot

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



49.7101, 0.2476, 0.3045



89.7734, 0.2911, 0.3223



55.2188, 0.2970, 0.4478



18.9035, 0.2878, 0.3212



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.



49.7101, 0.2476, 0.3045



67.1584, 0.2365, 0.2983



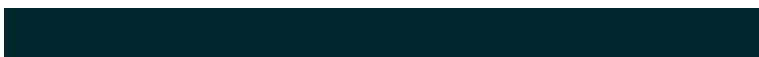
30.9959, 0.2352, 0.2347



14.4057, 0.2982, 0.3246



22.3373, 0.2084, 0.2701



1.5542, 0.2113, 0.2807

Inverse Universe

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



31.8336, 0.3363, 0.2358



39.1491, 0.3429, 0.2181



50.3457, 0.3965, 0.4072



13.2321, 0.3165, 0.3101



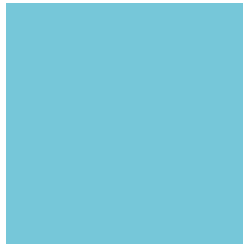
10.8787, 0.3728, 0.1827



0.7156, 0.3628, 0.1772

Previews

White Background



This preview shows how the Yxy color 49.7082, 0.2476, 0.3045 looks on a white background.

Color Contrast Check

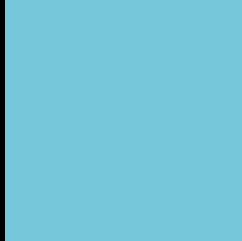
Large Text (above 18pt) WCAG AA × Fail

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 49.7082, 0.2476, 0.3045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

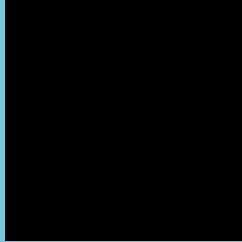
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7082, 0.2476, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 49.7082, 0.2476, 0.3045.



This preview shows how white text looks on a background with the Yxy color 49.7082, 0.2476, 0.3045.

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

49.7082, 0.2476, 0.3045

Protanopia

49.3193, 0.2939, 0.3003

Deuteranopia

49.2412, 0.2876, 0.2817



Tritanopia

49.5351, 0.2481, 0.3071

Trichromacy



Original Color

49.7082, 0.2476, 0.3045

Protanomaly

48.9010, 0.2743, 0.3017

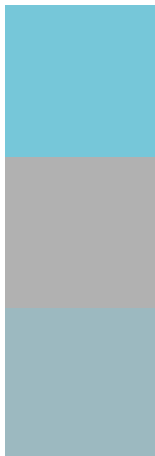
Deuteranomaly

48.8151, 0.2705, 0.2883

Tritanomaly

49.5866, 0.2476, 0.3058

Monochromacy



Original Color

49.7082, 0.2476, 0.3045

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.5716, 0.2844, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7082, 0.2476, 0.3045 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(118, 199, 217)` looks like.

```
.text, #text, p{  
    color:rgb(118, 199, 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(118, 199, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 199, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.7082, 0.2476, 0.3045 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(118, 199, 217) }
```

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

```
.border{ border-color:rgb(118, 199, 217) }
```

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

Here you see how a box with a 4 pixel rgb(118, 199, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 199, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 199, 217);  
box-shadow:4px 4px 4px 4px rgb(118, 199,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7082, 0.2476, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 199, 217) }
```

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

```
.background{ background-color: rgb(118,  
199, 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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