

Converting Colors

$Yxy(47.6232, 0.2487, 0.2935)$

Have a look what the booklet for
Yxy(47.6232, 0.2487, 0.2935)
contains.

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Color

Yxy(47.6144, 0.2488, 0.2939)

Conversions

Conversions Part 1

Format	Color
Hex	7DC1DB
RGB	125, 193, 219
RGB Percent	49%, 76%, 86%
CMY	0.5100, 0.2431, 0.1412
CMYK	0.43, 0.12, 0.00, 0.14
HSL	197°, 57%, 67%
HSV	197°, 43%, 86%
XYZ	40.3078, 47.6144, 74.0866
YIQ	175.6320, -48.8740, -6.3300

Conversions

Conversions Part 2

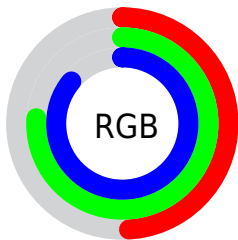
Format	Color
R _Y B	125, 164, 219
Decimal	8241627
CIE Lab	74.58, -14.78, -19.74
CIE LCh	75, 24.658, 233.165
Yxy	47.6144, 0.2488, 0.2939
Android (android.graphics.Color)	4286431707 (0xFF7DC1DB)
YUV	175.6320, 21.3804, -44.4043
Hunter-Lab	69.0032, -16.4859, -15.3557

Details

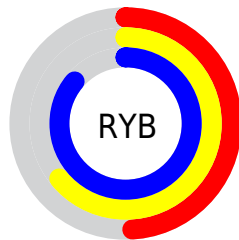
The Yxy color **47.6144, 0.2488, 0.2939** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.6539, 0.4104, 0.3607**, and the grayscale version is **43.1155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4150, 0.2700, 0.3235**, and **22.4108, 0.2319, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **43.5250, 0.2360, 0.2841**, and if you desaturate by 10%, it is **52.1803, 0.2628, 0.3032**.

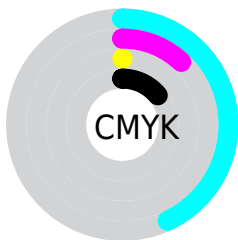
Distribution



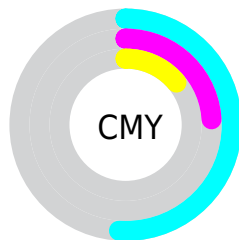
- Red (49%)
- Green (76%)
- Blue (86%)



- Red (49%)
- Yellow (64%)
- Blue (86%)



- Cyan (43%)
- Magenta (12%)
- Yellow (0%)
- Black (14%)





- Cyan (51%)
- Magenta (24%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6144, 0.2488, 0.2939 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 47.6144, 0.2488, 0.2939 by changing the saturation by 10% instead.


 47.6144, 0.2488,
0.2939


 47.6144, 0.2488,
0.2939


377.2617, 0.2798,
0.3119

 33.5216, 0.2414,
0.2893


 86.6300, 0.2598,
0.3005

 22.5263, 0.2320,
0.2835


 112.3216, 0.2641,
0.3029

 14.2442, 0.2200,
0.2756


 142.6483, 0.2677,
0.3050

 8.2907, 0.2038,
0.2647

177.9945, 0.2708,
0.3068

 4.2815, 0.1812,
0.2485

218.7445, 0.2735,
0.3083

 1.8322, 0.1481,
0.2226

265.2828, 0.2758,

 0.5072, 0.0415,

0.3096

0.1737

317.9937, 0.2780,
0.3108

0.0000, 0.0000,
0.0000

47.6144, 0.2488,
0.2939

47.6144, 0.2488,
0.2939

43.5250, 0.2360,
0.2841

52.1803, 0.2628,
0.3032

39.8811, 0.2246,
0.2740

57.2405, 0.2776,
0.3118

36.6561, 0.2150,
0.2636

62.8181, 0.2928,
0.3198

33.8176, 0.2074,
0.2531

68.9332, 0.3082,
0.3270

31.3265, 0.2018,
0.2427

75.6047, 0.3235,
0.3335

■ 29.7340, 0.1988,
0.2355

■ 82.5935, 0.3375,
0.3394

■ 86.0077, 0.3366,
0.3453

■ 89.5399, 0.3358,
0.3512

■ 93.1912, 0.3350,
0.3570

Harmonies

Analogous

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



47.6144, 0.2563, 0.3227



47.6144, 0.2488, 0.2939



47.6144, 0.2571, 0.2767

Triad

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



47.6144, 0.2488, 0.2939



47.6144, 0.3465, 0.3038



47.6144, 0.3441, 0.3904

Complementary

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



47.6144, 0.2488, 0.2939



38.6539, 0.4104, 0.3607

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.



47.6144, 0.3703, 0.3810



47.6144, 0.2488, 0.2939



47.6144, 0.3723, 0.3307

Square

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



47.6144, 0.2488, 0.2939



47.6144, 0.3122, 0.2833



47.6144, 0.3810, 0.3586



47.6144, 0.3103, 0.3815

Rectangle

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



47.6144, 0.2488, 0.2939



47.6144, 0.2707, 0.2729



47.6144, 0.3810, 0.3586



47.6144, 0.3541, 0.3891

Sweetspot

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



47.6162, 0.2488, 0.2939



88.5397, 0.2925, 0.3196



57.2247, 0.2924, 0.4259



18.5627, 0.2891, 0.3179



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.



47.6162, 0.2488, 0.2939



61.7148, 0.2366, 0.2846



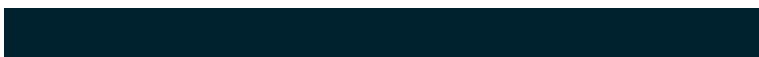
30.3051, 0.2377, 0.2276



14.1894, 0.2982, 0.3224



17.8222, 0.1992, 0.2370



1.2962, 0.2038, 0.2538

Inverse Universe

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



33.5654, 0.3439, 0.2500



40.3582, 0.3534, 0.2340



56.4991, 0.3864, 0.4127



13.2102, 0.3180, 0.3122



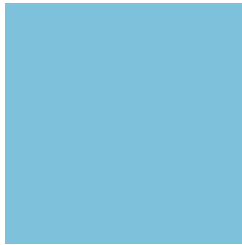
10.4229, 0.4053, 0.2007



0.6895, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 47.6144, 0.2488, 0.2939 looks on a white background.

Color Contrast Check

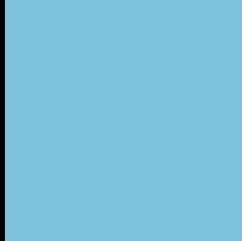
Large Text (above 18pt) WCAG AA × Fail

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 47.6144, 0.2488, 0.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

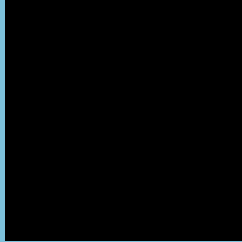
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6144, 0.2488, 0.2939

Background



This preview shows how black text looks on a background with the Yxy color 47.6144, 0.2488, 0.2939.



This preview shows how white text looks on a background with the Yxy color 47.6144, 0.2488, 0.2939.

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

47.6144, 0.2488, 0.2939

Protanopia

47.0980, 0.2869, 0.2911

Deuteranopia

47.3379, 0.2822, 0.2762



Tritanopia

47.3743, 0.2523, 0.3069

Trichromacy



Original Color

47.6144, 0.2488, 0.2939

Protanomaly

46.8221, 0.2711, 0.2912

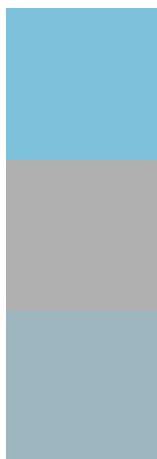
Deuteranomaly

47.0785, 0.2686, 0.2817

Tritanomaly

47.5986, 0.2512, 0.3029

Monochromacy



Original Color

47.6144, 0.2488, 0.2939

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4298, 0.2849, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6144, 0.2488, 0.2939 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(125, 193, 219)` looks like.

```
.text, #text, p{  
    color:rgb(125, 193, 219)  
}
```

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(125, 193, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 193, 219) }
```

Border

The CSS property to change the border of an element to Yxy 47.6144, 0.2488, 0.2939 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(125, 193, 219) }
```

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

```
.border{ border-color:rgb(125, 193, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 193, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 193, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 193, 219);  
box-shadow:4px 4px 4px 4px rgb(125, 193,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6144, 0.2488, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 193, 219) }
```

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

```
.background{ background-color: rgb(125,  
193, 219) }
```

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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