

Converting Colors

$Y_{xy}(48.7543, 0.2500, 0.3123)$

Have a look what the booklet for
Yxy(48.7543, 0.2500, 0.3123)
contains.

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Color

Yxy(48.7543, 0.2500, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	74C6D2
RGB	116, 198, 210
RGB Percent	45%, 78%, 82%
CMY	0.5451, 0.2235, 0.1764
CMYK	0.45, 0.06, 0.00, 0.18
HSL	188°, 51%, 64%
HSV	188°, 45%, 82%
XYZ	39.0284, 48.7543, 68.3310
YIQ	174.8500, -52.7240, -13.6520

Conversions

Conversions Part 2

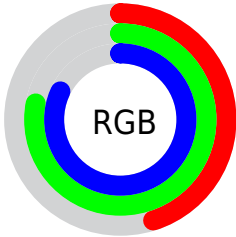
Format	Color
R _Y B	116, 160, 210
Decimal	7653074
CIE Lab	75.30, -21.89, -13.82
CIE LCh	75, 25.889, 212.265
Yxy	48.7543, 0.2500, 0.3123
Android (android.graphics.Color)	4285843154 (0xFF74C6D2)
YUV	174.8500, 17.3290, -51.6114
Hunter-Lab	69.8243, -22.4196, -9.1450

Details

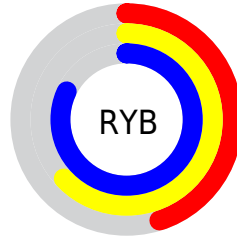
The Yxy color **48.7543, 0.2500, 0.3123** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.3994, 0.4243, 0.3444**, and the grayscale version is **42.7168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **23.2464, 0.2332, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **46.2613, 0.2393, 0.3080**, and if you desaturate by 10%, it is **51.5980, 0.2623, 0.3165**.

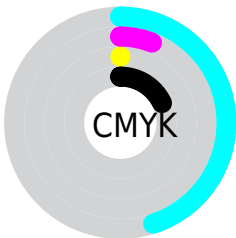
Distribution



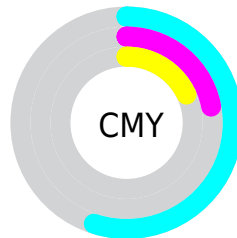
- Red (45%)
- Green (78%)
- Blue (82%)



- Red (45%)
- Yellow (63%)
- Blue (82%)



- Cyan (45%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (55%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7543, 0.2500, 0.3123 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 48.7543, 0.2500, 0.3123 by changing the saturation by 10% instead.

 48.7543, 0.2500,
0.3123

 48.7543, 0.2500,
0.3123


381.7743, 0.2804,
0.3213


 34.4246, 0.2427,
0.3099


 88.3264, 0.2608,
0.3157

 23.2200, 0.2336,
0.3067


 114.3377, 0.2650,
0.3169

 14.7560, 0.2217,
0.3023


 145.0115, 0.2685,
0.3180

 8.6483, 0.2058,
0.2960

180.7324, 0.2715,
0.3188

 4.5125, 0.1835,
0.2861

221.8848, 0.2742,
0.3196

 1.9642, 0.1503,
0.2691

268.8529, 0.2765,

 0.5865, 0.0098,

0.3202

0.2478

322.0213, 0.2786,
0.3208

0.0000, 0.0000,
0.0000

48.7543, 0.2500,
0.3123

48.7543, 0.2500,
0.3123

46.2613, 0.2393,
0.3080

51.5980, 0.2623,
0.3165

44.0911, 0.2303,
0.3035

54.8071, 0.2758,
0.3204

42.2204, 0.2231,
0.2990


58.4020, 0.2903,
0.3241

40.6203, 0.2180,
0.2945

62.3999, 0.3054,
0.3275


39.2552, 0.2146,
0.2901

66.8172, 0.3208,
0.3306

 38.6021, 0.2133,
0.2878

 71.6690, 0.3364,
0.3334

 75.4222, 0.3458,
0.3360

 76.8138, 0.3453,
0.3387

 78.2279, 0.3449,
0.3414

Harmonies

Analogous

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



48.7543, 0.2686, 0.3466



48.7543, 0.2500, 0.3123



48.7543, 0.2472, 0.2855

Triad

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



48.7543, 0.2500, 0.3123



48.7543, 0.3232, 0.2870



48.7543, 0.3657, 0.3878

Complementary

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



48.7543, 0.2500, 0.3123



30.3994, 0.4243, 0.3444

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.



48.7543, 0.3826, 0.3677



48.7543, 0.2500, 0.3123



48.7543, 0.3575, 0.3107

Square

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



48.7543, 0.2500, 0.3123



48.7543, 0.2878, 0.2730



48.7543, 0.3797, 0.3396



48.7543, 0.3350, 0.3924

Rectangle

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



48.7543, 0.2500, 0.3123



48.7543, 0.2544, 0.2749



48.7543, 0.3797, 0.3396



48.7543, 0.3733, 0.3825

Sweetspot

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



48.7562, 0.2500, 0.3123



91.5753, 0.2927, 0.3247



51.3407, 0.3000, 0.4520



19.3182, 0.2894, 0.3239



0.0000, 0.0000, 0.0000



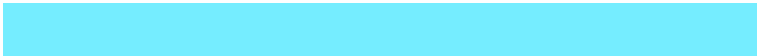
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7562, 0.2500, 0.3123



71.8348, 0.2394, 0.3080



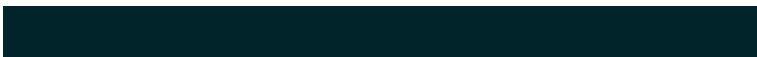
30.8314, 0.2382, 0.2442



13.1388, 0.2983, 0.3260



23.6479, 0.2135, 0.2884



1.3959, 0.2157, 0.2966

Inverse Universe

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



30.2681, 0.3302, 0.2323



40.1916, 0.3349, 0.2137



45.2229, 0.3971, 0.4003



11.9820, 0.3157, 0.3090



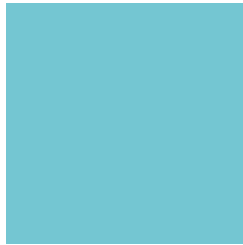
10.4585, 0.3557, 0.1733



0.5922, 0.3485, 0.1693

Previews

White Background



This preview shows how the Yxy color 48.7543, 0.2500, 0.3123 looks on a white background.

Color Contrast Check

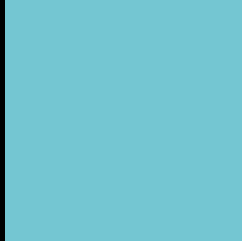
Large Text (above 18pt) WCAG AA × Fail

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 48.7543, 0.2500, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

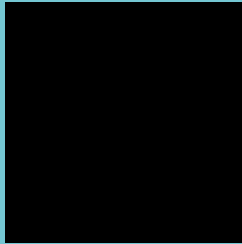
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7543, 0.2500, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 48.7543, 0.2500, 0.3123.



This preview shows how white text looks on a background with the Yxy color 48.7543, 0.2500, 0.3123.

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

48.7543, 0.2500, 0.3123

Protanopia

48.1513, 0.2990, 0.3062

Deuteranopia

48.1889, 0.2933, 0.2873



Tritanopia

48.5185, 0.2487, 0.3069

Trichromacy



Original Color

48.7543, 0.2500, 0.3123

Protanomaly

47.6970, 0.2787, 0.3079

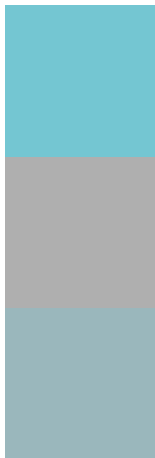
Deuteranomaly

48.0261, 0.2748, 0.2954

Tritanomaly

48.4679, 0.2492, 0.3083

Monochromacy



Original Color

48.7543, 0.2500, 0.3123

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.3678, 0.2855, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7543, 0.2500, 0.3123 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(116, 198, 210)` looks like.

```
.text, #text, p{  
    color:rgb(116, 198, 210)  
}
```

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(116, 198, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 198, 210) }
```

Border

The CSS property to change the border of an element to Yxy 48.7543, 0.2500, 0.3123 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(116, 198, 210) }
```

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

```
.border{ border-color:rgb(116, 198, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 198, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 198, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 198, 210);  
box-shadow:4px 4px 4px 4px rgb(116, 198,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7543, 0.2500, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 198, 210) }
```

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

```
.background{ background-color: rgb(116,  
198, 210) }
```

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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