

Converting Colors

$Yxy(48.6840, 0.2768, 0.4137)$

Have a look what the booklet for
Yxy(48.6840, 0.2768, 0.4137)
contains.

Yxy(48.5173, 0.2764, 0.4129)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.5173, 0.2764, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	63CD96
RGB	99, 205, 150
RGB Percent	39%, 80%, 59%
CMY	0.6120, 0.1960, 0.4117
CMYK	0.52, 0.00, 0.27, 0.20
HSL	149°, 51%, 60%
HSV	149°, 52%, 80%
XYZ	32.4780, 48.5173, 36.5084
YIQ	167.0360, -45.5210, -39.5770

Conversions

Conversions Part 2

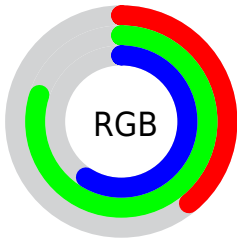
Format	Color
RYB	99, 171, 205
Decimal	6540694
CIELab	75.15, -43.33, 18.21
CIElCh	75, 47.001, 157.203
Yxy	48.5173, 0.2764, 0.4129
Android (android.graphics.Color)	4284730774 (0xFF63CD96)
YUV	167.0360, -8.3987, -59.6676
Hunter-Lab	69.6544, -38.6652, 17.6820

Details

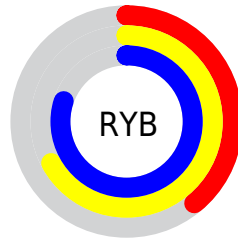
The Yxy color **48.5173, 0.2764, 0.4129** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.2267, 0.3811, 0.2604**, and the grayscale version is **38.7156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9476, 0.2831, 0.3889**, and **23.0886, 0.2645, 0.4398** is the 20% darker color. If you saturate the color by 10%, you get **47.1810, 0.2725, 0.4329**, and if you desaturate by 10%, it is **50.1816, 0.2818, 0.3938**.

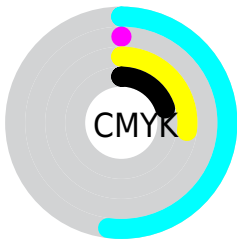
Distribution



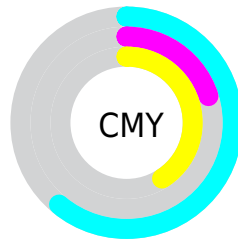
- Red (39%)
- Green (80%)
- Blue (59%)



- Red (39%)
- Yellow (67%)
- Blue (80%)



- Cyan (52%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)





- Cyan (61%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5173, 0.2764, 0.4129 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 48.5173, 0.2764, 0.4129 by changing the saturation by 10% instead.


 48.5173, 0.2764,
0.4129


 48.5173, 0.2764,
0.4129

380.8389, 0.2955,
0.3690


 34.2367, 0.2713,
0.4245


 87.9741, 0.2836,
0.3965


 23.0755, 0.2646,
0.4397


 113.9191, 0.2862,
0.3905

 14.6493, 0.2554,
0.4606


 144.5211, 0.2884,
0.3854

 8.5736, 0.2420,
0.4909

 180.1644, 0.2902,
0.3811

 4.4641, 0.2209,
0.5384

221.2335, 0.2918,
0.3775

 1.9364, 0.1773,
0.6400

268.1126, 0.2932,

 0.5701, 0.0000,

0.3743

1.0000

321.1863, 0.2944,
0.3715

■ 0.0000, 0.0000,
0.0000

■ 48.5173, 0.2764,
0.4129

■ 48.5173, 0.2764,
0.4129

■ 47.1810, 0.2725,
0.4329

■ 50.1816, 0.2818,
0.3938

■ 46.1433, 0.2703,
0.4533

■ 52.1892, 0.2882,
0.3759

■ 45.3794, 0.2701,
0.4735

■ 54.5611, 0.2955,
0.3595

■ 44.8574, 0.2719,
0.4930

■ 57.3151, 0.3033,
0.3445

■ 44.5620, 0.2745,
0.5082

■ 60.4678, 0.3113,
0.3312

■ 64.0348, 0.3194,
0.3193

■ 68.0309, 0.3274,
0.3088

■ 70.9290, 0.3291,
0.2990

■ 71.5624, 0.3215,
0.2888

Harmonies

Analogous

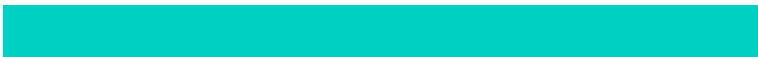
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5173, 0.3387, 0.4464



48.5173, 0.2764, 0.4129



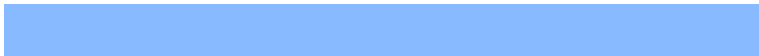
48.5173, 0.2270, 0.3488

Triad

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



48.5173, 0.2764, 0.4129



48.5173, 0.2275, 0.2289



48.5173, 0.4386, 0.3512

Complementary

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



48.5173, 0.2764, 0.4129



24.2267, 0.3811, 0.2604

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.



48.5173, 0.4030, 0.3029



48.5173, 0.2764, 0.4129



48.5173, 0.2765, 0.2359

Square

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



48.5173, 0.2764, 0.4129



48.5173, 0.2018, 0.2448



48.5173, 0.3411, 0.2622



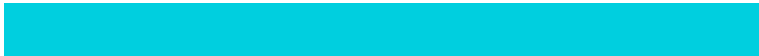
48.5173, 0.4351, 0.3996

Rectangle

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



48.5173, 0.2764, 0.4129



48.5173, 0.2069, 0.3051



48.5173, 0.3411, 0.2622



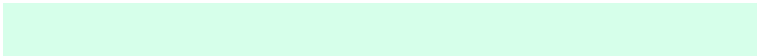
48.5173, 0.4308, 0.3347

Sweetspot

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



48.5193, 0.2764, 0.4129



91.7776, 0.2998, 0.3510



51.5868, 0.3457, 0.4731



19.4444, 0.2982, 0.3541



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.



48.5193, 0.2764, 0.4129



77.0732, 0.2722, 0.4350



50.5565, 0.2481, 0.3338



12.6254, 0.3052, 0.3413



27.7577, 0.2738, 0.5056



1.4473, 0.2635, 0.4687

Inverse Universe

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



24.2267, 0.3811, 0.2604



33.0414, 0.4038, 0.2488



22.8641, 0.4557, 0.3250



11.3092, 0.3210, 0.3170



8.7513, 0.4864, 0.2453



0.4668, 0.4455, 0.2228

Previews

White Background



This preview shows how the Yxy color 48.5173, 0.2764, 0.4129 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 48.5173, 0.2764, 0.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

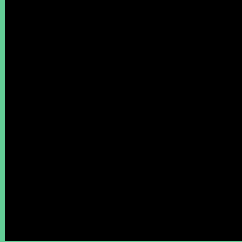
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5173, 0.2764, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 48.5173, 0.2764, 0.4129.

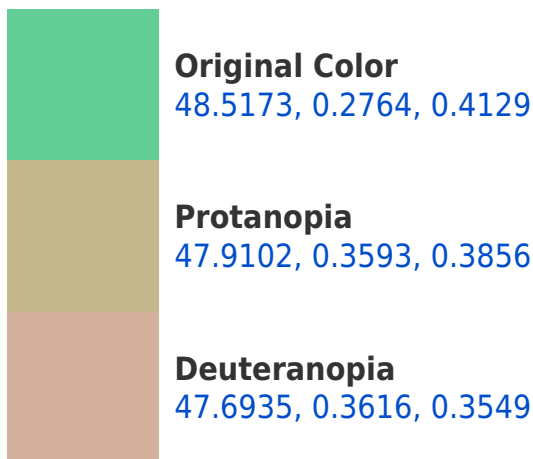


This preview shows how white text looks on a background with the Yxy color 48.5173, 0.2764, 0.4129.

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





Tritanopia

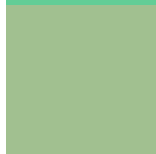
48.4496, 0.2482, 0.3069

Trichromacy



Original Color

48.5173, 0.2764, 0.4129



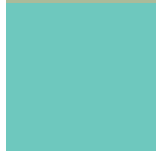
Protanomaly

47.2900, 0.3233, 0.3962



Deuteranomaly

46.4198, 0.3240, 0.3743



Tritanomaly

48.3413, 0.2583, 0.3432

Monochromacy



Original Color

48.5173, 0.2764, 0.4129



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.3717, 0.2956, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5173, 0.2764, 0.4129 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(99, 205, 150)` looks like.

```
.text, #text, p{  
    color:rgb(99, 205, 150)  
}
```

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(99, 205, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 205, 150) }
```

Border

The CSS property to change the border of an element to Yxy 48.5173, 0.2764, 0.4129 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(99, 205, 150) }
```

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

```
.border{ border-color:rgb(99, 205, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 205, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 205, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 205, 150);  
box-shadow:4px 4px 4px 4px rgb(99, 205,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5173, 0.2764, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 205, 150) }
```

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

```
.background{ background-color: rgb(99, 205,  
150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor