

Converting Colors

$Yxy(49.6082, 0.2734, 0.4173)$

Have a look what the booklet for
Yxy(49.6082, 0.2734, 0.4173)
contains.

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Color

Yxy(49.5891, 0.2734, 0.4175)

Conversions

Conversions Part 1

Format	Color
Hex	5CD096
RGB	92, 208, 150
RGB Percent	36%, 82%, 59%
CMY	0.6393, 0.1843, 0.4118
CMYK	0.56, 0.00, 0.28, 0.18
HSL	150°, 55%, 59%
HSV	150°, 56%, 82%
XYZ	32.4734, 49.5891, 36.7138
YIQ	166.7040, -50.5180, -42.6300

Conversions

Conversions Part 2

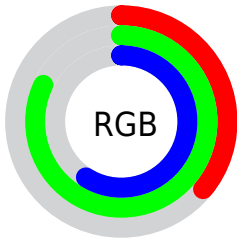
Format	Color
RYB	92, 169, 208
Decimal	6082710
CIELab	75.82, -46.22, 19.10
CIElCh	76, 50.009, 157.547
Yxy	49.5891, 0.2734, 0.4175
Android (android.graphics.Color)	4284272790 (0xFF5CD096)
YUV	166.7040, -8.2351, -65.5154
Hunter-Lab	70.4195, -40.9202, 18.3824

Details

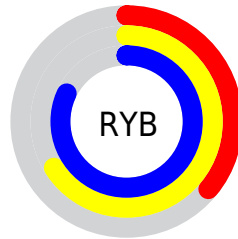
The Yxy color **49.5891, 0.2734, 0.4175** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **23.2648, 0.3923, 0.2582**, and the grayscale version is **38.5507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3637, 0.2801, 0.3894**, and **23.8427, 0.2610, 0.4459** is the 20% darker color. If you saturate the color by 10%, you get **48.3428, 0.2700, 0.4370**, and if you desaturate by 10%, it is **51.1632, 0.2784, 0.3987**.

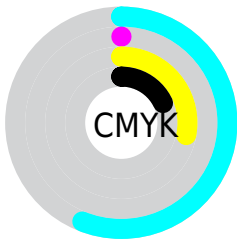
Distribution



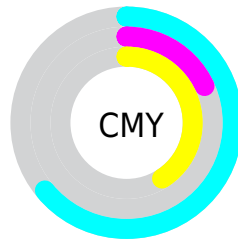
- Red (36%)
- Green (82%)
- Blue (59%)



- Red (36%)
- Yellow (66%)
- Blue (82%)



- Cyan (56%)
- Magenta (0%)
- Yellow (28%)
- Black (18%)





- Cyan (64%)
- Magenta (18%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5891, 0.2734, 0.4175 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 49.5891, 0.2734, 0.4175 by changing the saturation by 10% instead.


 49.5891, 0.2734,
0.4175

 49.5891, 0.2734,
0.4175


385.0569, 0.2940,
0.3712


 35.0870, 0.2679,
0.4297


 89.5658, 0.2811,
0.4002


 23.7299, 0.2608,
0.4457


 115.8091, 0.2840,
0.3939

 15.1334, 0.2509,
0.4676


 146.7351, 0.2863,
0.3886

 8.9131, 0.2367,
0.4992

 182.7280, 0.2883,
0.3840

 4.6845, 0.2143,
0.5485

224.1722, 0.2901,
0.3802

 2.0634, 0.1691,
0.6508

271.4522, 0.2916,


 0.6439, 0.0000,


0.3768


1.0000


324.9523, 0.2929,
0.3738

 0.0000, 0.0000,
0.0000


 49.5891, 0.2734,
0.4175


 49.5891, 0.2734,
0.4175


 48.3428, 0.2700,
0.4370

 51.1632, 0.2784,
0.3987


 47.3927, 0.2685,
0.4567


 53.0817, 0.2846,
0.3810


 46.7113, 0.2690,
0.4760

 55.3671, 0.2918,
0.3646

 46.2623, 0.2715,
0.4945

 58.0384, 0.2997,
0.3496

 46.1140, 0.2728,
0.5021

 61.1132, 0.3079,
0.3361

■ 64.6078, 0.3162,
0.3241

■ 68.5378, 0.3246,
0.3134

■ 72.2688, 0.3302,
0.3038

■ 72.8816, 0.3228,
0.2938

Harmonies

Analogous

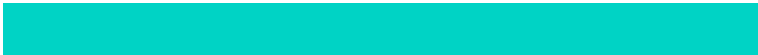
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.5891, 0.3388, 0.4533



49.5891, 0.2734, 0.4175



49.5891, 0.2220, 0.3489

Triad

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



49.5891, 0.2734, 0.4175



49.5891, 0.2237, 0.2240



49.5891, 0.4458, 0.3522

Complementary

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



49.5891, 0.2734, 0.4175



23.2648, 0.3923, 0.2582

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.



49.5891, 0.4088, 0.3018



49.5891, 0.2734, 0.4175



49.5891, 0.2751, 0.2317

Square

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



49.5891, 0.2734, 0.4175



49.5891, 0.1966, 0.2400



49.5891, 0.3433, 0.2593



49.5891, 0.4412, 0.4030

Rectangle

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



49.5891, 0.2734, 0.4175



49.5891, 0.2014, 0.3026



49.5891, 0.3433, 0.2593



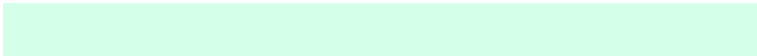
49.5891, 0.4379, 0.3350

Sweetspot

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



49.5911, 0.2734, 0.4175



91.3670, 0.2985, 0.3517



52.3706, 0.3441, 0.4862



19.3651, 0.2969, 0.3546



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.



49.5911, 0.2734, 0.4175



76.2982, 0.2696, 0.4409



51.9434, 0.2428, 0.3288



13.3035, 0.3049, 0.3409



28.7587, 0.2721, 0.4996



1.6240, 0.2628, 0.4659

Inverse Universe

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



23.2648, 0.3923, 0.2582



30.5100, 0.4194, 0.2478



21.8355, 0.4794, 0.3295



11.9054, 0.3213, 0.3174



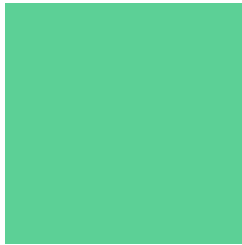
9.0002, 0.4945, 0.2498



0.5193, 0.4542, 0.2276

Previews

White Background



This preview shows how the Yxy color 49.5891, 0.2734, 0.4175 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 49.5891, 0.2734, 0.4175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

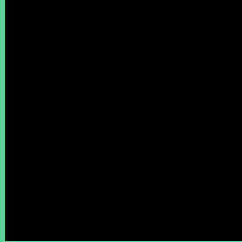
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5891, 0.2734, 0.4175

Background



This preview shows how black text looks on a background with the Yxy color 49.5891, 0.2734, 0.4175.



This preview shows how white text looks on a background with the Yxy color 49.5891, 0.2734, 0.4175.

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

49.5891, 0.2734, 0.4175

Protanopia

48.7335, 0.3617, 0.3862

Deuteranopia

48.5372, 0.3640, 0.3559



Tritanopia

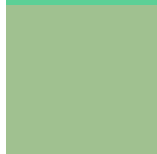
49.6459, 0.2449, 0.3070

Trichromacy



Original Color

49.5891, 0.2734, 0.4175



Protanomaly

47.6271, 0.3223, 0.3976



Deuteranomaly

47.2743, 0.3237, 0.3769



Tritanomaly

49.4607, 0.2549, 0.3446

Monochromacy



Original Color

49.5891, 0.2734, 0.4175



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.6046, 0.2941, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5891, 0.2734, 0.4175 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(92, 208, 150)` looks like.

```
.text, #text, p{  
    color:rgb(92, 208, 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(92, 208, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 208, 150) }
```

Border

The CSS property to change the border of an element to Yxy 49.5891, 0.2734, 0.4175 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(92, 208, 150) }
```

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

```
.border{ border-color:rgb(92, 208, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 208, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 208, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 208, 150);  
box-shadow:4px 4px 4px 4px rgb(92, 208,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5891, 0.2734, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 208, 150) }
```

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

```
.background{ background-color: rgb(92, 208,  
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](#).

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