

Converting Colors

$Yxy(49.2447, 0.2945, 0.4327)$

Have a look what the booklet for
Yxy(49.2447, 0.2945, 0.4327)
contains.

Yxy(49.1532, 0.2946, 0.4325)	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(49.1532, 0.2946, 0.4325)

Conversions

Conversions Part 1

Format	Color
Hex	74CD88
RGB	116, 205, 136
RGB Percent	45%, 80%, 53%
CMY	0.5450, 0.1961, 0.4667
CMYK	0.43, 0.00, 0.34, 0.20
HSL	133°, 47%, 63%
HSV	133°, 43%, 80%
XYZ	33.4810, 49.1532, 31.0148
YIQ	170.5230, -30.8950, -40.3270

Conversions

Conversions Part 2

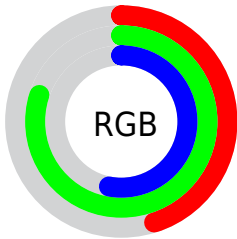
Format	Color
RYB	116, 189, 205
Decimal	7654792
CIELab	75.55, -41.48, 26.25
CIELCh	76, 49.083, 147.675
Yxy	49.1532, 0.2946, 0.4325
Android (android.graphics.Color)	4285844872 (0xFF74CD88)
YUV	170.5230, -17.0198, -47.8167
Hunter-Lab	70.1093, -37.4480, 22.8480

Details

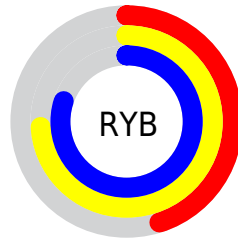
The Yxy color **49.1532, 0.2946, 0.4325** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.9822, 0.3389, 0.2444**, and the grayscale version is **40.5764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0084, 0.2988, 0.4044**, and **23.4292, 0.2871, 0.4668** is the 20% darker color. If you saturate the color by 10%, you get **47.4824, 0.2917, 0.4616**, and if you desaturate by 10%, it is **51.2051, 0.2983, 0.4048**.

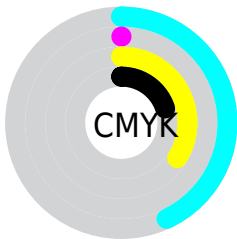
Distribution



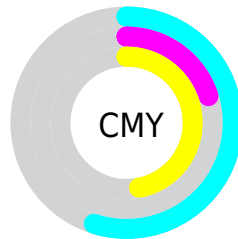
- Red (45%)
- Green (80%)
- Blue (53%)



- Red (45%)
- Yellow (74%)
- Blue (80%)



- Cyan (43%)
- Magenta (0%)
- Yellow (34%)
- Black (20%)





- Cyan (55%)
- Magenta (20%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1532, 0.2946, 0.4325 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 49.1532, 0.2946, 0.4325 by changing the saturation by 10% instead.


 49.1532, 0.2946,
0.4325


 49.1532, 0.2946,
0.4325


383.3451, 0.3052,
0.3781


 34.7410, 0.2914,
0.4468


 88.9189, 0.2989,
0.4122

 23.4635, 0.2870,
0.4657


 115.0413, 0.3003,
0.4047

 14.9361, 0.2805,
0.4914


 145.8358, 0.3015,
0.3985

 8.7745, 0.2702,
0.5284

181.6870, 0.3025,
0.3932

 4.5944, 0.2524,
0.5854

222.9791, 0.3034,
0.3886

 2.0113, 0.2331,
0.7523

270.0965, 0.3041,

 0.6140, 0.0000,

0.3847

1.0000

323.4237, 0.3047,
0.3812

■ 0.0000, 0.0000,
0.0000

■ 49.1532, 0.2946,
0.4325

■ 49.1532, 0.2946,
0.4325

■ 47.4824, 0.2917,
0.4616

■ 51.2051, 0.2983,
0.4048

■ 46.1631, 0.2897,
0.4909

■ 53.6536, 0.3024,
0.3792

■ 45.1710, 0.2891,
0.5191


■ 56.5204, 0.3068,
0.3560


■ 44.4761, 0.2898,
0.5445

■ 59.8241, 0.3112,
0.3354

■ 44.0424, 0.2919,
0.5655

■ 63.5822, 0.3156,
0.3173

 43.8595, 0.2935,
0.5767

 67.8110, 0.3197,
0.3015

 71.6559, 0.3204,
0.2873

 72.1422, 0.3150,
0.2801

Harmonies

Analogous

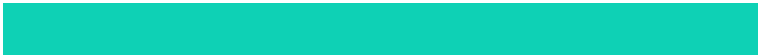
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1532, 0.3599, 0.4526



49.1532, 0.2946, 0.4325



49.1532, 0.2376, 0.3722

Triad

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



49.1532, 0.2946, 0.4325



49.1532, 0.2133, 0.2279



49.1532, 0.4360, 0.3353

Complementary

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



49.1532, 0.2946, 0.4325



28.9822, 0.3389, 0.2444

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.



49.1532, 0.3880, 0.2872



49.1532, 0.2946, 0.4325



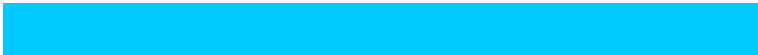
49.1532, 0.2566, 0.2281

Square

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



49.1532, 0.2946, 0.4325



49.1532, 0.1950, 0.2522



49.1532, 0.3199, 0.2494



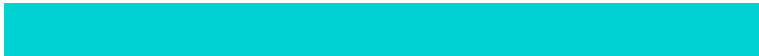
49.1532, 0.4453, 0.3862

Rectangle

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



49.1532, 0.2946, 0.4325



49.1532, 0.2115, 0.3249



49.1532, 0.3199, 0.2494



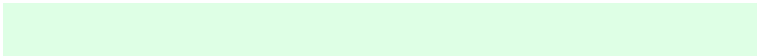
49.1532, 0.4238, 0.3186

Sweetspot

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



49.1552, 0.2946, 0.4325



92.6992, 0.3069, 0.3555



55.3285, 0.3604, 0.4415



19.6029, 0.3059, 0.3605



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.



49.1552, 0.2946, 0.4325



77.9590, 0.2918, 0.4594



50.6645, 0.2684, 0.3650



12.5775, 0.3086, 0.3475



27.3164, 0.2929, 0.5745



1.4211, 0.2823, 0.5361

Inverse Universe

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



28.9822, 0.3389, 0.2444



40.7270, 0.3464, 0.2280



27.4083, 0.3926, 0.2968



11.3590, 0.3171, 0.3112



9.6531, 0.3867, 0.1904



0.5089, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 49.1532, 0.2946, 0.4325 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 49.1532, 0.2946, 0.4325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

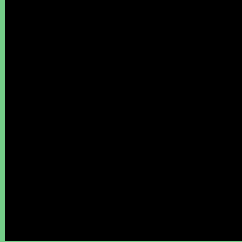
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1532, 0.2946, 0.4325

Background



This preview shows how black text looks on a background with the Yxy color 49.1532, 0.2946, 0.4325.



This preview shows how white text looks on a background with the Yxy color 49.1532, 0.2946, 0.4325.

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

49.1532, 0.2946, 0.4325

Protanopia

48.5096, 0.3732, 0.4023

Deuteranopia

48.5455, 0.3792, 0.3725



Tritanopia

49.1695, 0.2585, 0.3087

Trichromacy



Original Color

49.1532, 0.2946, 0.4325



Protanomaly

47.7460, 0.3405, 0.4143



Deuteranomaly

47.5632, 0.3436, 0.3934



Tritanomaly

48.8196, 0.2713, 0.3502

Monochromacy



Original Color

49.1532, 0.2946, 0.4325



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

42.9149, 0.3052, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1532, 0.2946, 0.4325 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, 205, 136)` looks like.

```
.text, #text, p{  
    color:rgb(116, 205, 136)  
}
```

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, 205, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 205, 136) }
```

Border

The CSS property to change the border of an element to Yxy 49.1532, 0.2946, 0.4325 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, 205, 136) }
```

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

```
.border{ border-color:rgb(116, 205, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 205, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 205, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 205, 136);  
box-shadow:4px 4px 4px 4px rgb(116, 205,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1532, 0.2946, 0.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 205, 136) }
```

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

```
.background{ background-color: rgb(116,  
205, 136) }
```

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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