

Converting Colors

$Y_{xy}(46.1262, 0.2682, 0.4706)$

Have a look what the booklet for
Yxy(46.1262, 0.2682, 0.4706)
contains.

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Color

Yxy(46.3295, 0.2683, 0.4710)

Conversions

Conversions Part 1

Format	Color
Hex	21CF79
RGB	33, 207, 121
RGB Percent	13%, 81%, 47%
CMY	0.8707, 0.1882, 0.5254
CMYK	0.84, 0.00, 0.42, 0.19
HSL	150°, 73%, 47%
HSV	150°, 84%, 81%
XYZ	26.3911, 46.3295, 25.6435
YIQ	145.1700, -76.0980, -63.6340

Conversions

Conversions Part 2

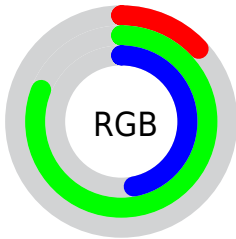
Format	Color
RYB	33, 149, 207
Decimal	2215801
CIELab	73.76, -60.70, 31.25
CIELCh	74, 68.268, 152.761
Yxy	46.3295, 0.2683, 0.4710
Android (android.graphics.Color)	4280405881 (0xFF21CF79)
YUV	145.1700, -11.9158, -98.3731
Hunter-Lab	68.0658, -49.9054, 25.3088

Details

The Yxy color **46.3295, 0.2683, 0.4710** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **15.6839, 0.4611, 0.2443**, and the grayscale version is **28.4595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9555, 0.2770, 0.4322**, and **22.5881, 0.2744, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **45.8507, 0.2704, 0.4895**, and if you desaturate by 10%, it is **47.0483, 0.2682, 0.4518**.

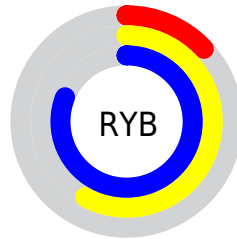
Distribution



Red (13%)

Green (81%)

Blue (47%)



Red (13%)

Yellow (58%)

Blue (81%)

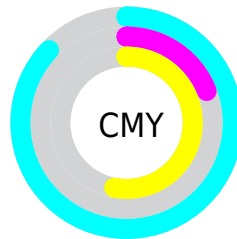


Cyan (84%)

Magenta (0%)

Yellow (42%)

Black (19%)



Cyan (87%)


Magenta (19%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3295, 0.2683, 0.4710 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 46.3295, 0.2683, 0.4710 by changing the saturation by 10% instead.


 46.3295, 0.2683,
0.4710


 46.3295, 0.2683,
0.4710


372.1318, 0.2935,
0.3944


 32.5059, 0.2610,
0.4918


 84.7119, 0.2782,
0.4419


 21.7482, 0.2511,
0.5195


 110.0395, 0.2817,
0.4313


 13.6720, 0.2368,
0.5578


 139.9706, 0.2845,
0.4225

 7.8929, 0.2149,
0.6134

 174.8895, 0.2869,
0.4151

 4.0265, 0.1797,
0.7019

 215.1807, 0.2889,
0.4088

 1.6884, 0.0000,
1.0000

261.2286, 0.2907,

 0.4161, 0.0000,

0.4033

1.0000

313.4174, 0.2922,
0.3986

■ 0.0000, 0.0000,
0.0000

■ 46.3295, 0.2683,
0.4710

■ 46.3295, 0.2683,
0.4710

■ 45.8507, 0.2704,
0.4895

■ 47.0483, 0.2682,
0.4518

■ 45.6416, 0.2722,
0.5000

■ 48.0357, 0.2701,
0.4323

■ 49.3220, 0.2738,
0.4132

■ 50.9318, 0.2791,
0.3948

■ 52.8870, 0.2856,
0.3775

■ 55.2075, 0.2930,
0.3615

■ 57.9119, 0.3010,
0.3470

■ 61.0173, 0.3093,
0.3339

■ 64.5397, 0.3177,
0.3223

Harmonies

Analogous

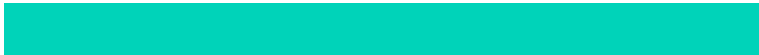
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.3295, 0.3562, 0.5065



46.3295, 0.2683, 0.4710



46.3295, 0.1974, 0.3716

Triad

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



46.3295, 0.2683, 0.4710



46.3295, 0.1864, 0.1912



46.3295, 0.4930, 0.3425

Complementary

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



46.3295, 0.2683, 0.4710



15.6839, 0.4611, 0.2443

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.



46.3295, 0.4336, 0.2803



46.3295, 0.2683, 0.4710



46.3295, 0.2472, 0.1978

Square

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



46.3295, 0.2683, 0.4710



46.3295, 0.1579, 0.2138



46.3295, 0.3374, 0.2292



46.3295, 0.4909, 0.4091

Rectangle

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



46.3295, 0.2683, 0.4710



46.3295, 0.1688, 0.3026



46.3295, 0.3374, 0.2292



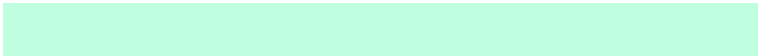
46.3295, 0.4796, 0.3210

Sweetspot

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



46.3314, 0.2683, 0.4710



87.9834, 0.2920, 0.3634



48.7298, 0.3435, 0.5518



18.5400, 0.2893, 0.3690



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.



46.3314, 0.2683, 0.4710



73.1048, 0.2728, 0.5021



49.4558, 0.2274, 0.3287



13.3046, 0.3048, 0.3407



28.7742, 0.2716, 0.4976



1.6249, 0.2623, 0.4642

Inverse Universe

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



15.6839, 0.4611, 0.2443



22.7666, 0.5027, 0.2543



14.4624, 0.6056, 0.3299



11.9043, 0.3214, 0.3176



8.9849, 0.4969, 0.2511



0.5184, 0.4561, 0.2286

Previews

White Background



This preview shows how the Yxy color 46.3295, 0.2683, 0.4710 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 46.3295, 0.2683, 0.4710 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 46.3295, 0.2683, 0.4710

Background



This preview shows how black text looks on a background with the Yxy color 46.3295, 0.2683, 0.4710.



This preview shows how white text looks on a background with the Yxy color 46.3295, 0.2683, 0.4710.

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

46.3295, 0.2683, 0.4710

Protanopia

45.5041, 0.3854, 0.4185

Deuteranopia

45.2362, 0.3896, 0.3819



Tritanopia

45.9827, 0.2330, 0.3059

Trichromacy



Original Color

46.3295, 0.2683, 0.4710



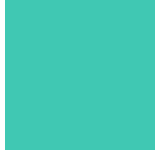
Protanomaly

43.3602, 0.3250, 0.4436



Deuteranomaly

42.5002, 0.3267, 0.4166



Tritanomaly

45.6532, 0.2445, 0.3612

Monochromacy



Original Color

46.3295, 0.2683, 0.4710



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.7259, 0.2835, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3295, 0.2683, 0.4710 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(33, 207, 121)` looks like.

```
.text, #text, p{  
    color:rgb(33, 207, 121)  
}
```

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(33, 207, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 207, 121) }
```

Border

The CSS property to change the border of an element to Yxy 46.3295, 0.2683, 0.4710 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(33, 207, 121) }
```

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

```
.border{ border-color:rgb(33, 207, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 207, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 207, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 207, 121);  
box-shadow:4px 4px 4px 4px rgb(33, 207,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3295, 0.2683, 0.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 207, 121) }
```

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

```
.background{ background-color: rgb(33, 207,  
121) }
```

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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