

Converting Colors

$Y_{xy}(46.7311, 0.2631, 0.4250)$

Have a look what the booklet for
Yxy(46.7311, 0.2631, 0.4250)
contains.

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Color

Yxy(46.7311, 0.2631, 0.4250)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3ECD91 |
| RGB | 62, 205, 145 |
| RGB Percent | 24%, 80%, 57% |
| CMY | 0.7570, 0.1961, 0.4313 |
| CMYK | 0.70, 0.00, 0.29, 0.20 |
| HSL | 155°, 59%, 52% |
| HSV | 155°, 70%, 80% |
| XYZ | 28.9293, 46.7311, 34.2951 |
| YIQ | 155.4030, -65.9680, -48.9760 |

Conversions

Conversions Part 2

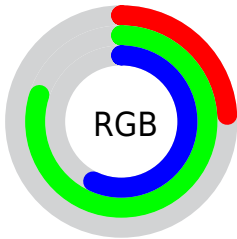
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 62, 152, 205 |
| Decimal | 4115857 |
| CIELab | 74.02, -51.67, 19.12 |
| CIELCh | 74, 55.098, 159.690 |
| Yxy | 46.7311, 0.2631, 0.4250 |
| Android (android.graphics.Color) | 4282305937 (0xFF3ECD91) |
| YUV | 155.4030, -5.1287, -81.9144 |
| Hunter-Lab | 68.3601, -44.0909, 18.1073 |

Details

The Yxy color **46.7311, 0.2631, 0.4250** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.8263, 0.4441, 0.2604**, and the grayscale version is **33.0103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1555, 0.2719, 0.3976**, and **22.6208, 0.2595, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **45.9355, 0.2618, 0.4414**, and if you desaturate by 10%, it is **47.8003, 0.2664, 0.4087**.

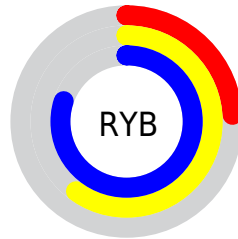
Distribution



Red (24%)

Green (80%)

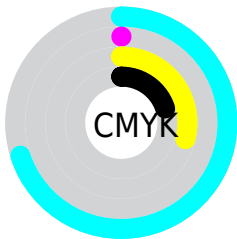
Blue (57%)



Red (24%)

Yellow (60%)

Blue (80%)

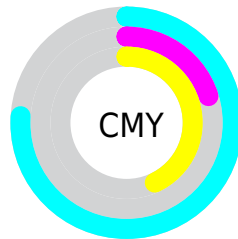


Cyan (70%)

Magenta (0%)

Yellow (29%)

Black (20%)



Cyan (76%)


Magenta (20%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7311, 0.2631, 0.4250 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 46.7311, 0.2631, 0.4250 by changing the saturation by 10% instead.


 46.7311, 0.2631,
0.4250

 46.7311, 0.2631,
0.4250


373.7402, 0.2892,
0.3742


 32.8231, 0.2562,
0.4386


 85.3121, 0.2729,
0.4058


 21.9910, 0.2471,
0.4566


 110.7539, 0.2765,
0.3989

 13.8503, 0.2345,
0.4815


 140.8091, 0.2795,
0.3930

 8.0166, 0.2163,
0.5179

 175.8622, 0.2820,
0.3881

 4.1056, 0.1879,
0.5754

 216.2974, 0.2842,
0.3839

 1.7328, 0.0929,
0.7537


262.4992, 0.2861,


 0.4448, 0.0000,


0.3802


1.0000


314.8520, 0.2877,
0.3770

 0.0000, 0.0000,
0.0000


 46.7311, 0.2631,
0.4250


 46.7311, 0.2631,
0.4250


 45.9355, 0.2618,
0.4414

 47.8003, 0.2664,
0.4087


 45.3777, 0.2625,
0.4576


 49.1631, 0.2715,
0.3929

 45.0051, 0.2649,
0.4734

 50.8440, 0.2780,
0.3779

 44.9972, 0.2649,
0.4737

 52.8631, 0.2858,
0.3639

 55.2391, 0.2943,
0.3510

■ 57.9892, 0.3035,
0.3393

■ 61.1293, 0.3129,
0.3288

■ 64.6745, 0.3225,
0.3194

■ 68.6392, 0.3319,
0.3111

Harmonies

Analogous

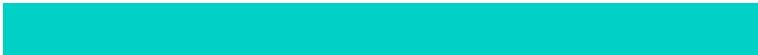
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.7311, 0.3351, 0.4689



46.7311, 0.2631, 0.4250



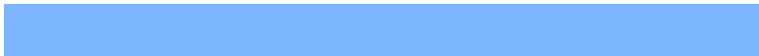
46.7311, 0.2084, 0.3448

Triad

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



46.7311, 0.2631, 0.4250



46.7311, 0.2171, 0.2128



46.7311, 0.4632, 0.3570

Complementary

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



46.7311, 0.2631, 0.4250



17.8263, 0.4441, 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.



46.7311, 0.4250, 0.3018



46.7311, 0.2631, 0.4250



46.7311, 0.2752, 0.2232

Square

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



46.7311, 0.2631, 0.4250



46.7311, 0.1858, 0.2275



46.7311, 0.3523, 0.2547



46.7311, 0.4535, 0.4130

Rectangle

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



46.7311, 0.2631, 0.4250



46.7311, 0.1878, 0.2932



46.7311, 0.3523, 0.2547



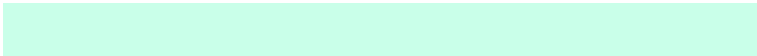
46.7311, 0.4557, 0.3382

Sweetspot

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



46.7330, 0.2631, 0.4250



89.8572, 0.2930, 0.3529



48.2936, 0.3387, 0.5276



18.9927, 0.2906, 0.3564



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.



46.7330, 0.2631, 0.4250



74.7106, 0.2619, 0.4501



44.6718, 0.2298, 0.3147



12.6444, 0.3038, 0.3389



28.0308, 0.2643, 0.4715



1.4610, 0.2557, 0.4406

Inverse Universe

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



17.8263, 0.4441, 0.2604



24.4604, 0.4894, 0.2597



17.8991, 0.5371, 0.3393



11.2904, 0.3225, 0.3193



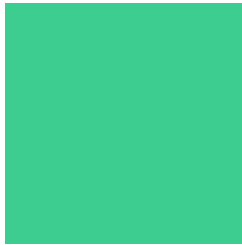
8.5159, 0.5280, 0.2682



0.4544, 0.4778, 0.2406

Previews

White Background



This preview shows how the Yxy color 46.7311, 0.2631, 0.4250 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 46.7311, 0.2631, 0.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

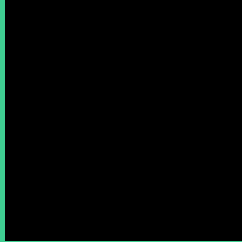
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7311, 0.2631, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 46.7311, 0.2631, 0.4250.



This preview shows how white text looks on a background with the Yxy color 46.7311, 0.2631, 0.4250.

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

46.7311, 0.2631, 0.4250

Protanopia

45.8331, 0.3638, 0.3889

Deuteranopia

45.9490, 0.3633, 0.3565



Tritanopia

46.4070, 0.2364, 0.3061

Trichromacy



Original Color

46.7311, 0.2631, 0.4250



Protanomaly

44.3412, 0.3156, 0.4040



Deuteranomaly

43.8364, 0.3153, 0.3808



Tritanomaly

46.1832, 0.2453, 0.3453

Monochromacy



Original Color

46.7311, 0.2631, 0.4250



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.1865, 0.2860, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7311, 0.2631, 0.4250 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(62, 205, 145)` looks like.

```
.text, #text, p{  
    color:rgb(62, 205, 145)  
}
```

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(62, 205, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 205, 145) }
```

Border

The CSS property to change the border of an element to Yxy 46.7311, 0.2631, 0.4250 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(62, 205, 145) }
```

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

```
.border{ border-color:rgb(62, 205, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 205, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 205, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 205, 145);  
box-shadow:4px 4px 4px 4px rgb(62, 205,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7311, 0.2631, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 205, 145) }
```

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

```
.background{ background-color: rgb(62, 205,  
145) }
```

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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