

Converting Colors

$Yxy(46.4569, 0.2823, 0.4137)$

Have a look what the booklet for
Yxy(46.4569, 0.2823, 0.4137)
contains.

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Color

Yxy(46.4171, 0.2826, 0.4137)

Conversions

Conversions Part 1

Format	Color
Hex	6AC891
RGB	106, 200, 145
RGB Percent	42%, 78%, 57%
CMY	0.5844, 0.2157, 0.4314
CMYK	0.47, 0.00, 0.28, 0.22
HSL	145°, 46%, 60%
HSV	145°, 47%, 78%
XYZ	31.7077, 46.4171, 34.0751
YIQ	165.6240, -38.3690, -37.0330

Conversions

Conversions Part 2

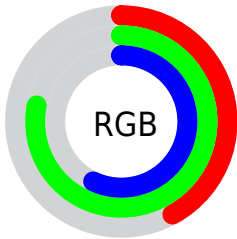
Format	Color
RYB	106, 172, 200
Decimal	6998161
CIELab	73.82, -40.36, 19.07
CIELCh	74, 44.639, 154.713
Yxy	46.4171, 0.2826, 0.4137
Android (android.graphics.Color)	4285188241 (0xFF6AC891)
YUV	165.6240, -10.1676, -52.2902
Hunter-Lab	68.1301, -36.1539, 18.0373

Details

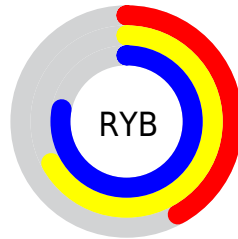
The Yxy color **46.4171, 0.2826, 0.4137** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.1591, 0.3640, 0.2586**, and the grayscale version is **38.0056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3249, 0.2887, 0.3945**, and **21.7119, 0.2726, 0.4413** is the 20% darker color. If you saturate the color by 10%, you get **44.9908, 0.2785, 0.4359**, and if you desaturate by 10%, it is **48.1701, 0.2879, 0.3926**.

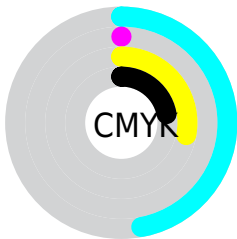
Distribution



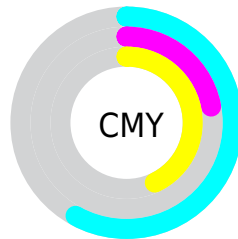
- Red (42%)
- Green (78%)
- Blue (57%)



- Red (42%)
- Yellow (67%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)





- Cyan (58%)
- Magenta (22%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4171, 0.2826, 0.4137 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 46.4171, 0.2826, 0.4137 by changing the saturation by 10% instead.


 46.4171, 0.2826,
0.4137


 46.4171, 0.2826,
0.4137


372.4830, 0.2988,
0.3691


 32.5751, 0.2782,
0.4256


 84.8429, 0.2888,
0.3969


 21.8011, 0.2723,
0.4413


 110.1954, 0.2910,
0.3908

 13.7109, 0.2640,
0.4630


 140.1536, 0.2928,
0.3857

 7.9198, 0.2517,
0.4946

 175.1019, 0.2944,
0.3813

 4.0437, 0.2317,
0.5448

215.4245, 0.2957,
0.3776

 1.6980, 0.1875,
0.6796

261.5060, 0.2969,

 0.4224, 0.0000,

0.3744

1.0000

313.7307, 0.2979,
0.3716

■ 0.0000, 0.0000,
0.0000

■ 46.4171, 0.2826,
0.4137

■ 46.4171, 0.2826,
0.4137

■ 44.9908, 0.2785,
0.4359

■ 48.1701, 0.2879,
0.3926

■ 43.8642, 0.2760,
0.4588

■ 50.2635, 0.2940,
0.3731

■ 43.0152, 0.2753,
0.4815


■ 52.7167, 0.3007,
0.3552

■ 42.4161, 0.2764,
0.5033

■ 55.5464, 0.3077,
0.3392

■ 42.0296, 0.2793,
0.5234

■ 58.7679, 0.3148,
0.3249

 41.9355, 0.2803,
0.5291

 62.3958, 0.3219,
0.3123

 66.4440, 0.3288,
0.3012

 68.7804, 0.3270,
0.2905

 69.4931, 0.3185,
0.2795

Harmonies

Analogous

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



46.4171, 0.3432, 0.4427



46.4171, 0.2826, 0.4137



46.4171, 0.2331, 0.3537

Triad

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



46.4171, 0.2826, 0.4137



46.4171, 0.2274, 0.2325



46.4171, 0.4326, 0.3469

Complementary

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



46.4171, 0.2826, 0.4137



25.1591, 0.3640, 0.2586

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.



46.4171, 0.3955, 0.3003



46.4171, 0.2826, 0.4137



46.4171, 0.2732, 0.2375

Square

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



46.4171, 0.2826, 0.4137



46.4171, 0.2043, 0.2501



46.4171, 0.3348, 0.2616



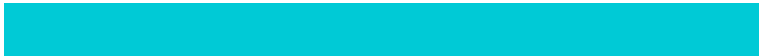
46.4171, 0.4326, 0.3940

Rectangle

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



46.4171, 0.2826, 0.4137



46.4171, 0.2122, 0.3112



46.4171, 0.3348, 0.2616



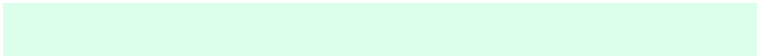
46.4171, 0.4240, 0.3309

Sweetspot

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



46.4190, 0.2826, 0.4137



92.5736, 0.3027, 0.3505



50.0748, 0.3489, 0.4569



19.5953, 0.3011, 0.3542



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.



46.4190, 0.2826, 0.4137



77.9354, 0.2786, 0.4355



48.1189, 0.2559, 0.3424



11.9597, 0.3061, 0.3428



26.6794, 0.2796, 0.5265



1.2776, 0.2678, 0.4842

Inverse Universe

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



25.1591, 0.3640, 0.2586



36.8666, 0.3798, 0.2457



23.8328, 0.4269, 0.3171



10.7393, 0.3200, 0.3156



8.6427, 0.4586, 0.2300



0.4234, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 46.4171, 0.2826, 0.4137 looks on a white background.

Color Contrast Check

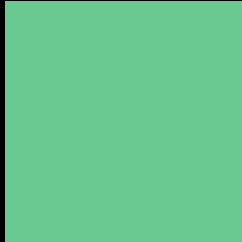
Large Text (above 18pt) WCAG AA × Fail

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 46.4171, 0.2826, 0.4137 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 46.4171, 0.2826, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 46.4171, 0.2826, 0.4137.



This preview shows how white text looks on a background with the Yxy color 46.4171, 0.2826, 0.4137.

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

46.4171, 0.2826, 0.4137

Protanopia

45.7575, 0.3612, 0.3865

Deuteranopia

45.5314, 0.3645, 0.3566



Tritanopia

46.3418, 0.2535, 0.3080

Trichromacy



Original Color

46.4171, 0.2826, 0.4137



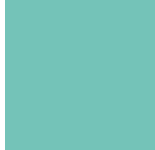
Protanomaly

44.9818, 0.3278, 0.3971



Deuteranomaly

44.6948, 0.3294, 0.3761



Tritanomaly

46.2039, 0.2640, 0.3449

Monochromacy



Original Color

46.4171, 0.2826, 0.4137



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.2387, 0.2995, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4171, 0.2826, 0.4137 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(106, 200, 145)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 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(106, 200, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 145) }
```

Border

The CSS property to change the border of an element to Yxy 46.4171, 0.2826, 0.4137 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(106, 200, 145) }
```

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

```
.border{ border-color:rgb(106, 200, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 200, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 200, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 200, 145); box-shadow:4px 4px 4px 4px rgb(106, 200, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4171, 0.2826, 0.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 145) }
```

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

```
.background{ background-color: rgb(106,  
200, 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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