

Converting Colors

$Yxy(46.0787, 0.2675, 0.4034)$

Have a look what the booklet for
Yxy(46.0787, 0.2675, 0.4034)
contains.

Yxy(46.0994, 0.2679, 0.4041)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(46.0994, 0.2679, 0.4041)$

Conversions

Conversions Part 1

Format	Color
Hex	57C999
RGB	87, 201, 153
RGB Percent	34%, 79%, 60%
CMY	0.6590, 0.2117, 0.4001
CMYK	0.57, 0.00, 0.24, 0.21
HSL	155°, 51%, 56%
HSV	155°, 57%, 79%
XYZ	30.5618, 46.0994, 37.4180
YIQ	161.4420, -52.5360, -39.0960

Conversions

Conversions Part 2

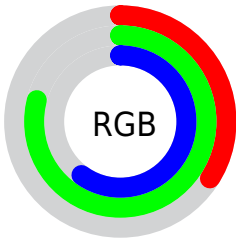
Format	Color
RYB	87, 159, 201
Decimal	5753241
CIELab	73.61, -43.71, 14.41
CIELCh	74, 46.020, 161.751
Yxy	46.0994, 0.2679, 0.4041
Android (android.graphics.Color)	4283943321 (0xFF57C999)
YUV	161.4420, -4.1619, -65.2856
Hunter-Lab	67.8965, -38.4719, 14.8527

Details

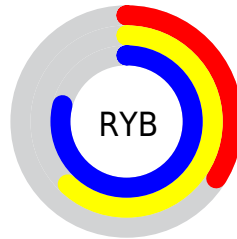
The Yxy color **46.0994, 0.2679, 0.4041** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.9746, 0.4079, 0.2685**, and the grayscale version is **35.8888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0447, 0.2762, 0.3861**, and **21.5816, 0.2538, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **44.9957, 0.2640, 0.4203**, and if you desaturate by 10%, it is **47.4959, 0.2734, 0.3885**.

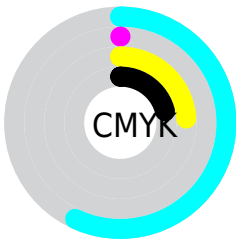
Distribution



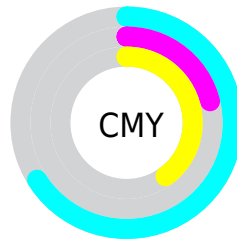
- Red (34%)
- Green (79%)
- Blue (60%)



- Red (34%)
- Yellow (62%)
- Blue (79%)



- Cyan (57%)
- Magenta (0%)
- Yellow (24%)
- Black (21%)





- Cyan (66%)
- Magenta (21%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0994, 0.2679, 0.4041 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 46.0994, 0.2679, 0.4041 by changing the saturation by 10% instead.


 46.0994, 0.2679,
0.4041

 46.0994, 0.2679,
0.4041


371.2081, 0.2912,
0.3647


 32.3243, 0.2618,
0.4146


 84.3677, 0.2765,
0.3893


 21.6093, 0.2539,
0.4284


 109.6297, 0.2797,
0.3839

 13.5701, 0.2430,
0.4474


 139.4895, 0.2824,
0.3794

 7.8223, 0.2274,
0.4751

 174.3313, 0.2847,
0.3755

 3.9814, 0.2032,
0.5192

214.5398, 0.2866,
0.3723

 1.6632, 0.1372,
0.6249

260.4991, 0.2883,

 0.3996, 0.0000,

0.3694

1.0000

312.5938, 0.2898,
0.3669

0.0000, 0.0000,
0.0000

46.0994, 0.2679,
0.4041

46.0994, 0.2679,
0.4041

44.9957, 0.2640,
0.4203

47.4959, 0.2734,
0.3885

44.1558, 0.2621,
0.4368

49.2004, 0.2804,
0.3737

43.5543, 0.2622,
0.4531

51.2336, 0.2884,
0.3600

43.1556, 0.2642,
0.4690

53.6126, 0.2971,
0.3474

43.0481, 0.2650,
0.4741

56.3535, 0.3063,
0.3360

■ 59.4713, 0.3158,
0.3258

■ 62.9801, 0.3253,
0.3167

■ 66.8933, 0.3347,
0.3087

■ 68.7039, 0.3339,
0.3007

Harmonies

Analogous

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



46.0994, 0.3291, 0.4437



46.0994, 0.2679, 0.4041



46.0994, 0.2218, 0.3385

Triad

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



46.0994, 0.2679, 0.4041



46.0994, 0.2338, 0.2290



46.0994, 0.4401, 0.3587

Complementary

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



46.0994, 0.2679, 0.4041



20.9746, 0.4079, 0.2685

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.



46.0994, 0.4102, 0.3100



46.0994, 0.2679, 0.4041



46.0994, 0.2857, 0.2391

Square

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



46.0994, 0.2679, 0.4041



46.0994, 0.2045, 0.2411



46.0994, 0.3511, 0.2678



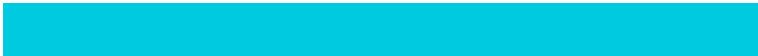
46.0994, 0.4308, 0.4061

Rectangle

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



46.0994, 0.2679, 0.4041



46.0994, 0.2044, 0.2963



46.0994, 0.3511, 0.2678



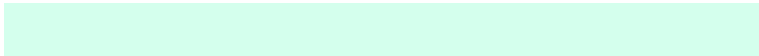
46.0994, 0.4344, 0.3422

Sweetspot

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



46.1012, 0.2679, 0.4041



91.5649, 0.2967, 0.3480



47.7309, 0.3382, 0.4919



19.4118, 0.2949, 0.3505



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.



46.1012, 0.2679, 0.4041



76.6732, 0.2634, 0.4239



44.5608, 0.2397, 0.3176



11.9891, 0.3039, 0.3389



27.0825, 0.2644, 0.4719



1.2966, 0.2552, 0.4388

Inverse Universe

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



20.9746, 0.4079, 0.2685



29.5877, 0.4411, 0.2604



21.2094, 0.4770, 0.3388



10.7098, 0.3225, 0.3193



8.2337, 0.5270, 0.2677



0.4043, 0.4736, 0.2383

Previews

White Background



This preview shows how the Yxy color 46.0994, 0.2679, 0.4041 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 46.0994, 0.2679, 0.4041 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 46.0994, 0.2679, 0.4041

Background



This preview shows how black text looks on a background with the Yxy color 46.0994, 0.2679, 0.4041.



This preview shows how white text looks on a background with the Yxy color 46.0994, 0.2679, 0.4041.

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

46.0994, 0.2679, 0.4041

Protanopia

45.2997, 0.3537, 0.3764

Deuteranopia

45.2277, 0.3535, 0.3468



Tritanopia

46.1903, 0.2440, 0.3077

Trichromacy



Original Color

46.0994, 0.2679, 0.4041



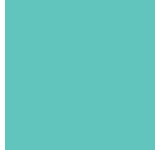
Protanomaly

44.4195, 0.3149, 0.3867



Deuteranomaly

43.8784, 0.3144, 0.3657



Tritanomaly

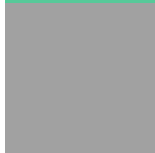
46.2033, 0.2520, 0.3406

Monochromacy



Original Color

46.0994, 0.2679, 0.4041



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.5876, 0.2913, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0994, 0.2679, 0.4041 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(87, 201, 153)` looks like.

```
.text, #text, p{  
    color:rgb(87, 201, 153)  
}
```

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(87, 201, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 201, 153) }
```

Border

The CSS property to change the border of an element to Yxy 46.0994, 0.2679, 0.4041 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(87, 201, 153) }
```

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

```
.border{ border-color:rgb(87, 201, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 201, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 201, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 201, 153);  
box-shadow:4px 4px 4px 4px rgb(87, 201,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0994, 0.2679, 0.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 201, 153) }
```

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

```
.background{ background-color: rgb(87, 201,  
153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor