

Converting Colors

$Y_{xy}(46.9222, 0.2775, 0.5026)$

Have a look what the booklet for
Yxy(46.9222, 0.2775, 0.5026)
contains.

Yxy(46.9203, 0.2775, 0.5026)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.9203, 0.2775, 0.5026)

Conversions

Conversions Part 1

Format	Color
Hex	22D167
RGB	34, 209, 103
RGB Percent	13%, 82%, 40%
CMY	0.8672, 0.1804, 0.5960
CMYK	0.84, 0.00, 0.51, 0.18
HSL	144°, 72%, 48%
HSV	144°, 84%, 82%
XYZ	25.9061, 46.9203, 20.5288
YIQ	144.5910, -70.2740, -70.0660

Conversions

Conversions Part 2

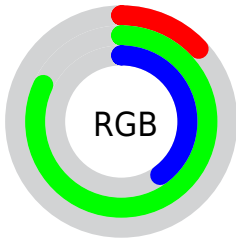
Format	Color
RYB	34, 160, 209
Decimal	2281831
CIELab	74.14, -64.35, 40.73
CIELCh	74, 76.153, 147.667
Yxy	46.9203, 0.2775, 0.5026
Android (android.graphics.Color)	4280471911 (0xFF22D167)
YUV	144.5910, -20.5044, -96.9883
Hunter-Lab	68.4984, -52.3636, 30.1798

Details

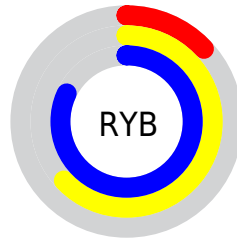
The Yxy color **46.9203, 0.2775, 0.5026** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.5825, 0.4242, 0.2227**, and the grayscale version is **28.2335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3650, 0.2856, 0.4561**, and **23.0304, 0.2853, 0.5470** is the 20% darker color. If you saturate the color by 10%, you get **46.4345, 0.2800, 0.5236**, and if you desaturate by 10%, it is **47.6637, 0.2768, 0.4798**.

Distribution



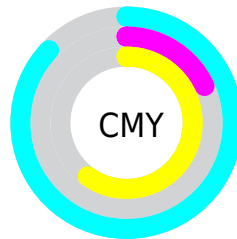
- Red (13%)
- Green (82%)
- Blue (40%)



- Red (13%)
- Yellow (63%)
- Blue (82%)



- Cyan (84%)
- Magenta (0%)
- Yellow (51%)
- Black (18%)





- Cyan (87%)
- Magenta (18%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9203, 0.2775, 0.5026 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 46.9203, 0.2775, 0.5026 by changing the saturation by 10% instead.


 46.9203, 0.2775,
0.5026


 46.9203, 0.2775,
0.5026

374.4963, 0.2996,
0.4086

 32.9727, 0.2704,
0.5280


 85.5946, 0.2867,
0.4669

 22.1055, 0.2603,
0.5614


 111.0901, 0.2898,
0.4539

 13.9344, 0.2451,
0.6070


 141.2037, 0.2923,
0.4432

 8.0751, 0.2209,
0.6710

 176.3197, 0.2943,
0.4341

 4.1430, 0.1883,
0.7997

 216.8226, 0.2959,
0.4263

 1.7539, 0.0000,
1.0000


263.0967, 0.2974,


 0.4582, 0.0000,


0.4196


1.0000


315.5265, 0.2986,
0.4137


 0.0000, 0.0000,
0.0000

 46.9203, 0.2775,
0.5026


 46.9203, 0.2775,
0.5026


 46.4345, 0.2800,
0.5236


 47.6637, 0.2768,
0.4798


 46.2217, 0.2821,
0.5356


 48.6947, 0.2780,
0.4562


 50.0449, 0.2809,
0.4326


 51.7399, 0.2852,
0.4099

 53.8030, 0.2906,
0.3884

 56.2552, 0.2967,
0.3686

 59.1157, 0.3033,
0.3507

 62.4029, 0.3101,
0.3346

 66.1335, 0.3169,
0.3204

Harmonies

Analogous

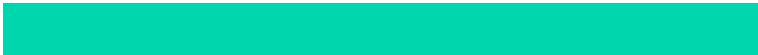
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9203, 0.3735, 0.5232



46.9203, 0.2775, 0.5026



46.9203, 0.1962, 0.3969

Triad

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



46.9203, 0.2775, 0.5026



46.9203, 0.1679, 0.1809



46.9203, 0.5057, 0.3291

Complementary

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



46.9203, 0.2775, 0.5026



16.5825, 0.4242, 0.2227

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.



46.9203, 0.4299, 0.2645



46.9203, 0.2775, 0.5026



46.9203, 0.2267, 0.1837

Square

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



46.9203, 0.2775, 0.5026



46.9203, 0.1432, 0.2101



46.9203, 0.3207, 0.2130



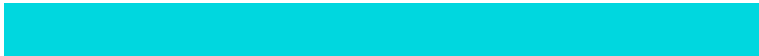
46.9203, 0.5125, 0.3999

Rectangle

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



46.9203, 0.2775, 0.5026



46.9203, 0.1617, 0.3163



46.9203, 0.3207, 0.2130



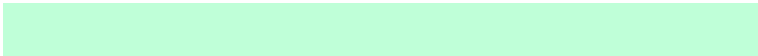
46.9203, 0.4873, 0.3067

Sweetspot

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



46.9222, 0.2775, 0.5026



87.6085, 0.2958, 0.3715



51.4588, 0.3591, 0.5399



18.4511, 0.2936, 0.3784



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.



46.9222, 0.2775, 0.5026



72.4534, 0.2827, 0.5377



49.5981, 0.2363, 0.3595



13.2825, 0.3063, 0.3434



28.5149, 0.2814, 0.5329



1.6098, 0.2710, 0.4955

Inverse Universe

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



16.5825, 0.4242, 0.2227



23.6036, 0.4551, 0.2281



14.9625, 0.5802, 0.3152



11.9267, 0.3197, 0.3150



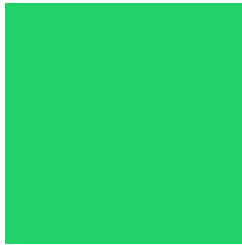
9.3141, 0.4508, 0.2257



0.5362, 0.4207, 0.2091

Previews

White Background



This preview shows how the Yxy color 46.9203, 0.2775, 0.5026 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 46.9203, 0.2775, 0.5026 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 46.9203, 0.2775, 0.5026

Background



This preview shows how black text looks on a background with the Yxy color 46.9203, 0.2775, 0.5026.

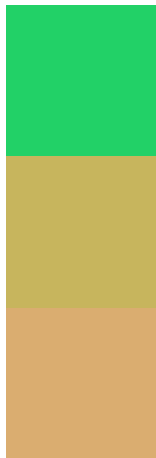


This preview shows how white text looks on a background with the Yxy color 46.9203, 0.2775, 0.5026.

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

46.9203, 0.2775, 0.5026

Protanopia

45.9802, 0.4003, 0.4377

Deuteranopia

45.9624, 0.4086, 0.4015



Tritanopia

46.7150, 0.2347, 0.3061

Trichromacy



Original Color

46.9203, 0.2775, 0.5026



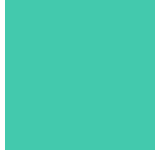
Protanomaly

43.6136, 0.3376, 0.4684



Deuteranomaly

42.8012, 0.3415, 0.4418



Tritanomaly

45.9837, 0.2489, 0.3723

Monochromacy



Original Color

46.9203, 0.2775, 0.5026



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.6202, 0.2887, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9203, 0.2775, 0.5026 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(34, 209, 103)` looks like.

```
.text, #text, p{  
    color:rgb(34, 209, 103)  
}
```

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(34, 209, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 209, 103) }
```

Border

The CSS property to change the border of an element to Yxy 46.9203, 0.2775, 0.5026 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(34, 209, 103) }
```

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

```
.border{ border-color:rgb(34, 209, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 209, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 209, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 209, 103);  
box-shadow:4px 4px 4px 4px rgb(34, 209,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9203, 0.2775, 0.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 209, 103) }
```

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

```
.background{ background-color: rgb(34, 209,  
103) }
```

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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