

Converting Colors

$Y_{xy}(44.0461, 0.2222, 0.4398)$

Have a look what the booklet for
Yxy(44.0461, 0.2222, 0.4398)
contains.

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Color

Yxy(46.6393, 0.2534, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	00CF90
RGB	0, 207, 144
RGB Percent	0%, 81%, 56%
CMY	0.9981, 0.1882, 0.4353
CMYK	1.00, 0.00, 0.30, 0.19
HSL	162°, 100%, 41%
HSV	162°, 100%, 81%
XYZ	27.3511, 46.6393, 33.9460
YIQ	137.9250, -103.1490, -63.4770

Conversions

Conversions Part 2

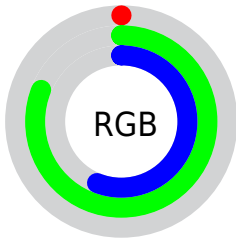
Format	Color
RYB	0, 122, 207
Decimal	53136
CIELab	73.96, -57.65, 19.49
CIELCh	74, 60.854, 161.324
Yxy	46.6393, 0.2534, 0.4321
Android (android.graphics.Color)	4278243216 (0xFF00CF90)
YUV	137.9250, 2.9950, -120.9602
Hunter-Lab	68.2930, -48.0241, 18.3341

Details

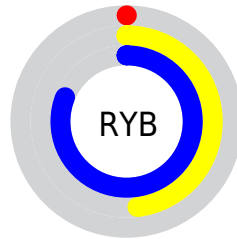
The Yxy color **46.6393, 0.2534, 0.4321** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.6396, 0.5757, 0.2947**, and the grayscale version is **25.4601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4808, 0.2631, 0.4006**, and **22.9235, 0.2605, 0.4579** is the 20% darker color. If you saturate the color by 10%, you get **46.6336, 0.2534, 0.4324**, and if you desaturate by 10%, it is **46.9980, 0.2520, 0.4206**.

Distribution



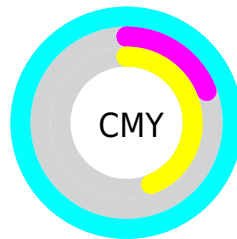
- Red (0%)
- Green (81%)
- Blue (56%)



- Red (0%)
- Yellow (48%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6393, 0.2534, 0.4321 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 46.6393, 0.2534, 0.4321 by changing the saturation by 10% instead.


 46.6393, 0.2534,
0.4321

 46.6393, 0.2534,
0.4321


373.3729, 0.2845,
0.3773


 32.7506, 0.2452,
0.4468


 85.1750, 0.2650,
0.4114

 21.9355, 0.2345,
0.4663


 110.5907, 0.2693,
0.4039

 13.8095, 0.2198,
0.4932


 140.6176, 0.2728,
0.3976

 7.9883, 0.1988,
0.5326

 175.6400, 0.2759,
0.3923

 4.0874, 0.1664,
0.5947

 216.0424, 0.2785,
0.3878

 1.7226, 0.0292,
0.8186

262.2090, 0.2807,

 0.4382, 0.0000,

0.3838

1.0000

314.5244, 0.2827,
0.3804

■ 0.0000, 0.0000,
0.0000

■ 46.6393, 0.2534,
0.4321

■ 46.6393, 0.2534,
0.4321

■ 46.6336, 0.2534,
0.4324

■ 46.9980, 0.2520,
0.4206

■ 47.5357, 0.2523,
0.4090

■ 48.3096, 0.2545,
0.3974

■ 49.3503, 0.2587,
0.3859

■ 50.6837, 0.2648,
0.3748

■ 52.3327, 0.2724,
0.3641

■ 54.3178, 0.2814,
0.3542

■ 56.6577, 0.2913,
0.3449

■ 59.3698, 0.3019,
0.3365

Harmonies

Analogous

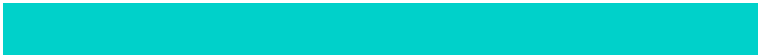
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6393, 0.3312, 0.4839



46.6393, 0.2534, 0.4321



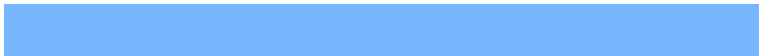
46.6393, 0.1961, 0.3406

Triad

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



46.6393, 0.2534, 0.4321



46.6393, 0.2111, 0.2028



46.6393, 0.4792, 0.3609

Complementary

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



46.6393, 0.2534, 0.4321



13.6396, 0.5757, 0.2947

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.



46.6393, 0.4403, 0.3015



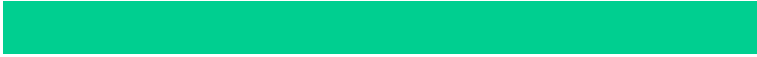
46.6393, 0.2534, 0.4321



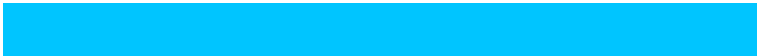
46.6393, 0.2753, 0.2155

Square

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



46.6393, 0.2534, 0.4321



46.6393, 0.1761, 0.2162



46.6393, 0.3607, 0.2504



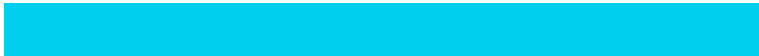
46.6393, 0.4644, 0.4217

Rectangle

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



46.6393, 0.2534, 0.4321



46.6393, 0.1755, 0.2843



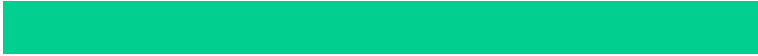
46.6393, 0.3607, 0.2504



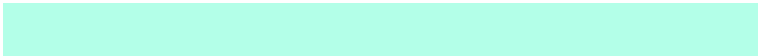
46.6393, 0.4722, 0.3407

Sweetspot

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



46.6411, 0.2534, 0.4321



86.8514, 0.2808, 0.3547



45.7794, 0.3152, 0.5878



18.2877, 0.2769, 0.3589



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.



46.6411, 0.2534, 0.4321



74.7029, 0.2538, 0.4337



32.9343, 0.2081, 0.2689



13.3431, 0.3023, 0.3362



29.3996, 0.2530, 0.4308



1.6576, 0.2471, 0.4097

Inverse Universe

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



13.6396, 0.5757, 0.2947



21.8070, 0.5793, 0.2965



14.6741, 0.6211, 0.3447



11.8668, 0.3243, 0.3219



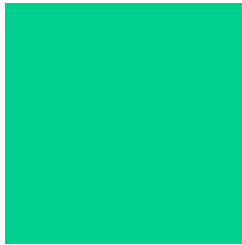
8.5998, 0.5728, 0.2929



0.4950, 0.5198, 0.2637

Previews

White Background



This preview shows how the Yxy color 46.6393, 0.2534, 0.4321 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 46.6393, 0.2534, 0.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

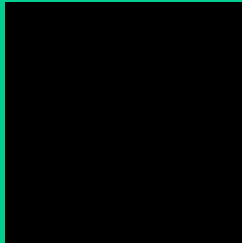
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6393, 0.2534, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 46.6393, 0.2534, 0.4321.

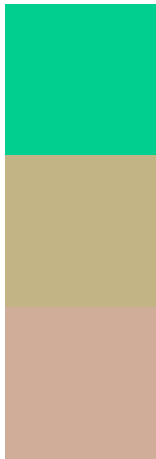


This preview shows how white text looks on a background with the Yxy color 46.6393, 0.2534, 0.4321.

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

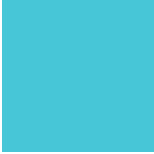
46.6393, 0.2534, 0.4321

Protanopia

45.7778, 0.3655, 0.3915

Deuteranopia

45.5640, 0.3636, 0.3553



Tritanopia

46.5453, 0.2291, 0.3059

Trichromacy



Original Color

46.6393, 0.2534, 0.4321



Protanomaly

42.8896, 0.2997, 0.4124



Deuteranomaly

41.8544, 0.2974, 0.3836



Tritanomaly

46.0053, 0.2351, 0.3471

Monochromacy



Original Color

46.6393, 0.2534, 0.4321



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

30.1625, 0.2682, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6393, 0.2534, 0.4321 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(0, 207, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 144)  
}
```

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(0, 207, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 144) }
```

Border

The CSS property to change the border of an element to Yxy 46.6393, 0.2534, 0.4321 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(0, 207, 144) }
```

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

```
.border{ border-color:rgb(0, 207, 144) }
```

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

Here you see how a box with a 4 pixel rgb(0, 207, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6393, 0.2534, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 144) }
```

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

```
.background{ background-color: rgb(0, 207,  
144) }
```

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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