

Converting Colors

$Yxy(50.7378, 0.2480, 0.4126)$

Have a look what the booklet for
Yxy(50.7378, 0.2480, 0.4126)
contains.

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Color

Yxy(50.6728, 0.2478, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	01D6A1
RGB	1, 214, 161
RGB Percent	0%, 84%, 63%
CMY	0.9956, 0.1608, 0.3687
CMYK	0.99, 0.00, 0.25, 0.16
HSL	165°, 99%, 42%
HSV	165°, 99%, 84%
XYZ	30.4923, 50.6728, 41.8869
YIQ	144.2710, -109.9350, -61.6390

Conversions

Conversions Part 2

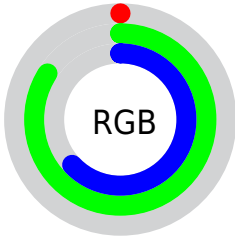
Format	Color
RYB	1, 123, 214
Decimal	120481
CIELab	76.48, -56.34, 13.99
CIELCh	76, 58.049, 166.053
Yxy	50.6728, 0.2478, 0.4118
Android (android.graphics.Color)	4278310561 (0xFF01D6A1)
YUV	144.2710, 8.2474, -125.6487
Hunter-Lab	71.1848, -48.1123, 14.9417

Details

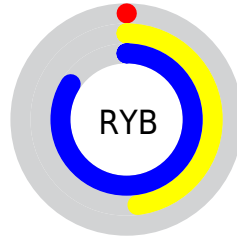
The Yxy color **50.6728, 0.2478, 0.4118** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.5887, 0.5941, 0.3050**, and the grayscale version is **28.0206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4811, 0.2559, 0.3768**, and **25.5578, 0.2533, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **50.6576, 0.2479, 0.4123**, and if you desaturate by 10%, it is **51.0362, 0.2469, 0.4026**.

Distribution



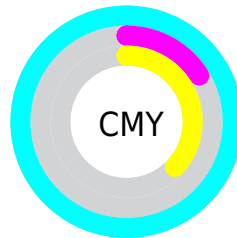
- Red (0%)
- Green (84%)
- Blue (63%)



- Red (0%)
- Yellow (48%)
- Blue (84%)



- Cyan (99%)
- Magenta (0%)
- Yellow (25%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6728, 0.2478, 0.4118 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 50.6728, 0.2478, 0.4118 by changing the saturation by 10% instead.

 50.6728, 0.2478,
0.4118

 50.6728, 0.2478,
0.4118


389.2912, 0.2806,
0.3689


 35.9483, 0.2396,
0.4229


 91.1709, 0.2598,
0.3959

 24.3943, 0.2290,
0.4375


 117.7133, 0.2642,
0.3900


 15.6263, 0.2149,
0.4572


 148.9638, 0.2680,
0.3851

 9.2601, 0.1954,
0.4854

 185.3068, 0.2713,
0.3809

 4.9112, 0.1667,
0.5286

 227.1266, 0.2741,
0.3773

 2.1953, 0.1007,
0.6161

274.8077, 0.2765,

 0.7174, 0.0000,

0.3741

1.0000

328.7344, 0.2787,
0.3714

■ 0.0000, 0.0000,
0.0000

■ 50.6728, 0.2478,
0.4118

■ 50.6728, 0.2478,
0.4118

■ 50.6576, 0.2479,
0.4123

■ 51.0362, 0.2469,
0.4026

■ 51.5936, 0.2477,
0.3933

■ 52.4032, 0.2505,
0.3840

■ 53.4980, 0.2552,
0.3748

■ 54.9061, 0.2617,
0.3658

■ 56.6521, 0.2699,
0.3573

■ 58.7581, 0.2795,
0.3492

■ 61.2444, 0.2901,
0.3418

■ 64.1296, 0.3015,
0.3349

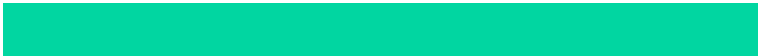
Harmonies

Analogous

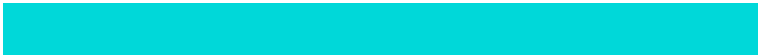
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.6728, 0.3191, 0.4681



50.6728, 0.2478, 0.4118



50.6728, 0.1978, 0.3272

Triad

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



50.6728, 0.2478, 0.4118



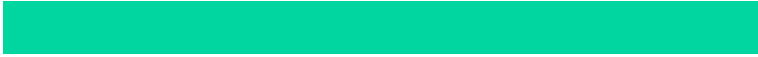
50.6728, 0.2253, 0.2106



50.6728, 0.4688, 0.3695

Complementary

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



50.6728, 0.2478, 0.4118



14.5887, 0.5941, 0.3050

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.



50.6728, 0.4400, 0.3125



50.6728, 0.2478, 0.4118



50.6728, 0.2899, 0.2261

Square

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



50.6728, 0.2478, 0.4118



50.6728, 0.1876, 0.2197



50.6728, 0.3705, 0.2622



50.6728, 0.4488, 0.4258

Rectangle

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



50.6728, 0.2478, 0.4118



50.6728, 0.1812, 0.2776



50.6728, 0.3705, 0.2622



50.6728, 0.4648, 0.3502

Sweetspot

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



50.6748, 0.2478, 0.4118



87.0974, 0.2787, 0.3499



48.8910, 0.3098, 0.5919



18.3468, 0.2745, 0.3533



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.



50.6748, 0.2478, 0.4118



75.3035, 0.2481, 0.4132



30.2769, 0.2016, 0.2456



14.0526, 0.3015, 0.3349



30.6357, 0.2475, 0.4109



1.8606, 0.2431, 0.3950

Inverse Universe

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



14.5887, 0.5941, 0.3050



21.6245, 0.5979, 0.3067



16.9698, 0.6080, 0.3549



12.4710, 0.3252, 0.3232



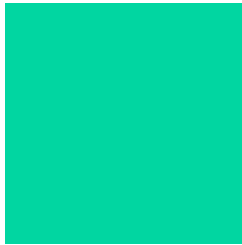
8.8122, 0.5920, 0.3035



0.5449, 0.5421, 0.2760

Previews

White Background



This preview shows how the Yxy color 50.6728, 0.2478, 0.4118 looks on a white background.

Color Contrast Check

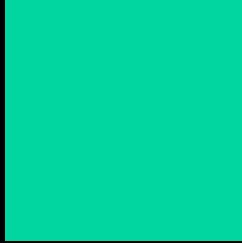
Large Text (above 18pt) WCAG AA × Fail

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 50.6728, 0.2478, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

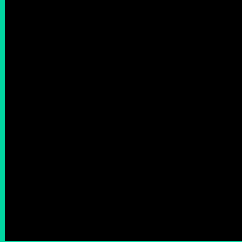
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6728, 0.2478, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 50.6728, 0.2478, 0.4118.

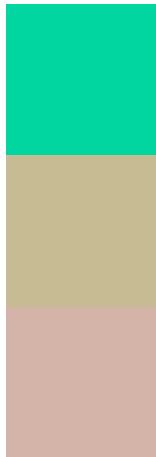


This preview shows how white text looks on a background with the Yxy color 50.6728, 0.2478, 0.4118.

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

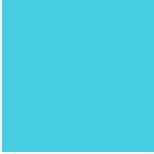
50.6728, 0.2478, 0.4118

Protanopia

49.8209, 0.3545, 0.3784

Deuteranopia

49.4667, 0.3511, 0.3437



Tritanopia

50.6993, 0.2274, 0.3053

Trichromacy



Original Color

50.6728, 0.2478, 0.4118



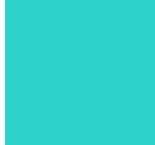
Protanomaly

46.7444, 0.2907, 0.3943



Deuteranomaly

45.5668, 0.2880, 0.3683



Tritanomaly

50.3065, 0.2329, 0.3419

Monochromacy



Original Color

50.6728, 0.2478, 0.4118



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.8533, 0.2652, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6728, 0.2478, 0.4118 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(1, 214, 161)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 161)  
}
```

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(1, 214, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 161) }
```

Border

The CSS property to change the border of an element to Yxy 50.6728, 0.2478, 0.4118 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(1, 214, 161) }
```

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

```
.border{ border-color:rgb(1, 214, 161) }
```

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

Here you see how a box with a 4 pixel rgb(1, 214, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 161);  
box-shadow:4px 4px 4px 4px rgb(1, 214,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6728, 0.2478, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 161) }
```

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

```
.background{ background-color: rgb(1, 214,  
161) }
```

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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