

Converting Colors

$Y_{xy}(48.0063, 0.2595, 0.4470)$

Have a look what the booklet for
Yxy(48.0063, 0.2595, 0.4470)
contains.

Yxy(48.0699, 0.2596, 0.4474)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.0699, 0.2596, 0.4474)

Conversions

Conversions Part 1

Format	Color
Hex	16D289
RGB	22, 210, 137
RGB Percent	9%, 82%, 54%
CMY	0.9140, 0.1765, 0.4627
CMYK	0.90, 0.00, 0.35, 0.18
HSL	157°, 81%, 45%
HSV	157°, 90%, 82%
XYZ	27.8921, 48.0699, 31.4807
YIQ	145.4660, -88.6150, -62.5590

Conversions

Conversions Part 2

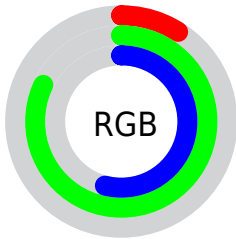
Format	Color
RYB	22, 139, 210
Decimal	1495689
CIELab	74.87, -59.41, 24.42
CIELCh	75, 64.235, 157.654
Yxy	48.0699, 0.2596, 0.4474
Android (android.graphics.Color)	4279685769 (0xFF16D289)
YUV	145.4660, -4.1737, -108.2797
Hunter-Lab	69.3325, -49.5220, 21.6118

Details

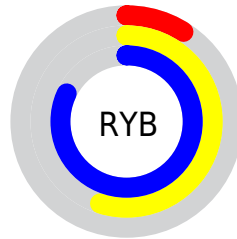
The Yxy color **48.0699, 0.2596, 0.4474** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.0975, 0.5145, 0.2686**, and the grayscale version is **28.5505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4697, 0.2681, 0.4097**, and **23.7993, 0.2656, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **47.6829, 0.2618, 0.4621**, and if you desaturate by 10%, it is **48.6568, 0.2592, 0.4324**.

Distribution



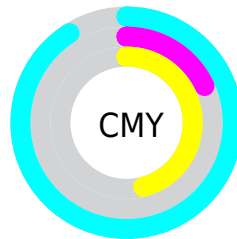
- Red (9%)
- Green (82%)
- Blue (54%)



- Red (9%)
- Yellow (55%)
- Blue (82%)



- Cyan (90%)
- Magenta (0%)
- Yellow (35%)
- Black (18%)





- Cyan (91%)
- Magenta (18%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0699, 0.2596, 0.4474 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 48.0699, 0.2596, 0.4474 by changing the saturation by 10% instead.


 48.0699, 0.2596,
0.4474

 48.0699, 0.2596,
0.4474


379.0691, 0.2880,
0.3843

 33.8822, 0.2519,
0.4643


 87.3085, 0.2703,
0.4236


 22.8032, 0.2418,
0.4867


 113.1282, 0.2743,
0.4149

 14.4482, 0.2277,
0.5176


 143.5940, 0.2775,
0.4077

 8.4331, 0.2072,
0.5626

 179.0904, 0.2803,
0.4016

 4.3733, 0.1751,
0.6327

 220.0017, 0.2826,
0.3963

 1.8845, 0.0548,
0.9044

266.7123, 0.2846,

 0.5390, 0.0000,

0.3918

1.0000

319.6067, 0.2864,
0.3878

■ 0.0000, 0.0000,
0.0000

■ 48.0699, 0.2596,
0.4474

■ 48.0699, 0.2596,
0.4474

■ 47.6829, 0.2618,
0.4621

■ 48.6568, 0.2592,
0.4324


■ 47.6676, 0.2619,
0.4627

■ 49.4932, 0.2608,
0.4172

■ 50.6127, 0.2643,
0.4023

■ 52.0425, 0.2697,
0.3877

■ 53.8063, 0.2766,
0.3739

 55.9255, 0.2847,
0.3610

 58.4197, 0.2937,
0.3492

 61.3069, 0.3032,
0.3383

 64.6041, 0.3132,
0.3286

Harmonies

Analogous

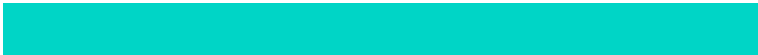
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0699, 0.3415, 0.4931



48.0699, 0.2596, 0.4474



48.0699, 0.1969, 0.3527

Triad

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



48.0699, 0.2596, 0.4474



48.0699, 0.2011, 0.1983



48.0699, 0.4845, 0.3534

Complementary

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



48.0699, 0.2596, 0.4474



15.0975, 0.5145, 0.2686

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.



48.0699, 0.4375, 0.2930



48.0699, 0.2596, 0.4474



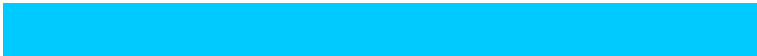
48.0699, 0.2639, 0.2085

Square

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



48.0699, 0.2596, 0.4474



48.0699, 0.1689, 0.2155



48.0699, 0.3513, 0.2419



48.0699, 0.4748, 0.4167

Rectangle

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



48.0699, 0.2596, 0.4474



48.0699, 0.1730, 0.2916



48.0699, 0.3513, 0.2419



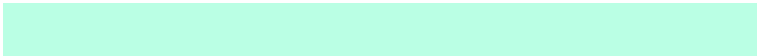
48.0699, 0.4750, 0.3327

Sweetspot

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



48.0718, 0.2596, 0.4474



87.5950, 0.2867, 0.3583



48.7029, 0.3290, 0.5695



18.4825, 0.2837, 0.3625



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.



48.0718, 0.2596, 0.4474



73.9219, 0.2623, 0.4643



42.1702, 0.2184, 0.3006



13.3261, 0.3034, 0.3382



29.0952, 0.2613, 0.4605



1.6421, 0.2538, 0.4336

Inverse Universe

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



15.0975, 0.5145, 0.2686



22.1600, 0.5475, 0.2790



15.3270, 0.6099, 0.3399



11.8831, 0.3230, 0.3200



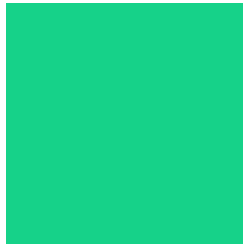
8.7431, 0.5410, 0.2754



0.5042, 0.4917, 0.2482

Previews

White Background



This preview shows how the Yxy color 48.0699, 0.2596, 0.4474 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 48.0699, 0.2596, 0.4474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

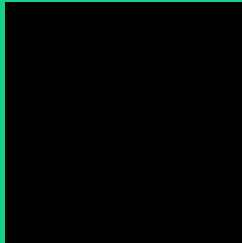
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0699, 0.2596, 0.4474

Background



This preview shows how black text looks on a background with the Yxy color 48.0699, 0.2596, 0.4474.



This preview shows how white text looks on a background with the Yxy color 48.0699, 0.2596, 0.4474.

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

48.0699, 0.2596, 0.4474

Protanopia

47.3534, 0.3738, 0.4030

Deuteranopia

46.8504, 0.3740, 0.3659



Tritanopia

47.8029, 0.2308, 0.3062

Trichromacy



Original Color

48.0699, 0.2596, 0.4474



Protanomaly

44.7932, 0.3120, 0.4252



Deuteranomaly

43.8487, 0.3111, 0.3970



Tritanomaly

47.6143, 0.2397, 0.3545

Monochromacy



Original Color

48.0699, 0.2596, 0.4474



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

33.0383, 0.2763, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0699, 0.2596, 0.4474 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(22, 210, 137)` looks like.

```
.text, #text, p{  
    color:rgb(22, 210, 137)  
}
```

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(22, 210, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 210, 137) }
```

Border

The CSS property to change the border of an element to Yxy 48.0699, 0.2596, 0.4474 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(22, 210, 137) }
```

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

```
.border{ border-color:rgb(22, 210, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 210, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 210, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 210, 137);  
box-shadow:4px 4px 4px 4px rgb(22, 210,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0699, 0.2596, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 210, 137) }
```

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

```
.background{ background-color: rgb(22, 210,  
137) }
```

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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