

Converting Colors

$Yxy(47.0329, 0.2623, 0.4168)$

Have a look what the booklet for
Yxy(47.0329, 0.2623, 0.4168)
contains.

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Color

Yxy(47.0579, 0.2622, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	43CD96
RGB	67, 205, 150
RGB Percent	26%, 80%, 59%
CMY	0.7372, 0.1961, 0.4117
CMYK	0.67, 0.00, 0.27, 0.20
HSL	156°, 58%, 53%
HSV	156°, 67%, 80%
XYZ	29.6529, 47.0579, 36.3819
YIQ	157.4680, -64.5930, -46.3610

Conversions

Conversions Part 2

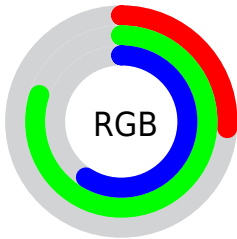
Format	Color
RYB	67, 153, 205
Decimal	4443542
CIELab	74.23, -49.79, 16.78
CIELCh	74, 52.545, 161.377
Yxy	47.0579, 0.2622, 0.4161
Android (android.graphics.Color)	4282633622 (0xFF43CD96)
YUV	157.4680, -3.6817, -79.3404
Hunter-Lab	68.5988, -42.8883, 16.5742

Details

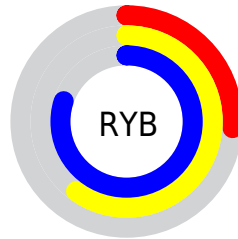
The Yxy color **47.0579, 0.2622, 0.4161** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.4009, 0.4421, 0.2650**, and the grayscale version is **33.9811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6255, 0.2709, 0.3909**, and **22.7135, 0.2562, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **46.2047, 0.2602, 0.4317**, and if you desaturate by 10%, it is **48.1896, 0.2661, 0.4008**.

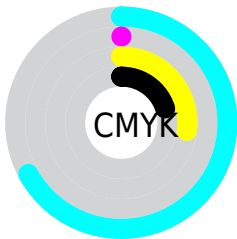
Distribution



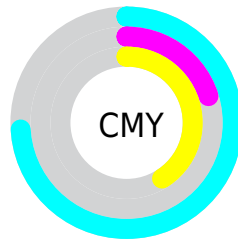
- Red (26%)
- Green (80%)
- Blue (59%)



- Red (26%)
- Yellow (60%)
- Blue (80%)



- Cyan (67%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)



- Cyan (74%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0579, 0.2622, 0.4161 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 47.0579, 0.2622, 0.4161 by changing the saturation by 10% instead.


 47.0579, 0.2622,
0.4161

 47.0579, 0.2622,
0.4161

375.0456, 0.2885,
0.3702


 33.0814, 0.2553,
0.4283


 85.8000, 0.2720,
0.3989

 22.1888, 0.2463,
0.4444


 111.3345, 0.2756,
0.3926

 13.9957, 0.2341,
0.4665


 141.4904, 0.2786,
0.3873

 8.1177, 0.2165,
0.4989

 176.6522, 0.2812,
0.3829

 4.1703, 0.1893,
0.5499

 217.2042, 0.2834,
0.3790

 1.7693, 0.1086,
0.6825

263.5308, 0.2853,

 0.4679, 0.0000,

0.3757

1.0000

316.0165, 0.2870,
0.3728

■ 0.0000, 0.0000,
0.0000

■ 47.0579, 0.2622,
0.4161

■ 47.0579, 0.2622,
0.4161

■ 46.2047, 0.2602,
0.4317

■ 48.1896, 0.2661,
0.4008

■ 45.5954, 0.2603,
0.4471

■ 49.6188, 0.2718,
0.3860

■ 45.1927, 0.2622,
0.4622

■ 51.3692, 0.2789,
0.3720

■ 45.1012, 0.2628,
0.4662

■ 53.4607, 0.2871,
0.3590

■ 55.9112, 0.2961,
0.3471

■ 58.7377, 0.3056,
0.3362

■ 61.9559, 0.3154,
0.3265

■ 65.5805, 0.3252,
0.3178

■ 69.6257, 0.3350,
0.3102

Harmonies

Analogous

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



47.0579, 0.3307, 0.4606



47.0579, 0.2622, 0.4161



47.0579, 0.2110, 0.3399

Triad

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



47.0579, 0.2622, 0.4161



47.0579, 0.2237, 0.2175



47.0579, 0.4568, 0.3597

Complementary

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



47.0579, 0.2622, 0.4161



18.4009, 0.4421, 0.2650

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.



47.0579, 0.4227, 0.3062



47.0579, 0.2622, 0.4161



47.0579, 0.2809, 0.2287

Square

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



47.0579, 0.2622, 0.4161



47.0579, 0.1920, 0.2306



47.0579, 0.3548, 0.2601



47.0579, 0.4456, 0.4130

Rectangle

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



47.0579, 0.2622, 0.4161



47.0579, 0.1919, 0.2917



47.0579, 0.3548, 0.2601



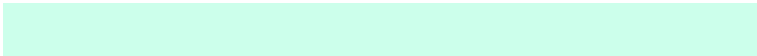
47.0579, 0.4504, 0.3415

Sweetspot

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



47.0598, 0.2622, 0.4161



90.3369, 0.2933, 0.3505



48.2217, 0.3355, 0.5235



19.0890, 0.2908, 0.3539



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.



47.0598, 0.2622, 0.4161



75.1648, 0.2600, 0.4390



42.9519, 0.2298, 0.3083



12.6484, 0.3036, 0.3384



28.0960, 0.2622, 0.4641



1.4642, 0.2541, 0.4346

Inverse Universe

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



18.4009, 0.4421, 0.2650



25.0429, 0.4873, 0.2630



19.2423, 0.5213, 0.3445



11.2865, 0.3229, 0.3198



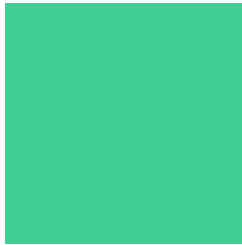
8.4739, 0.5365, 0.2729



0.4520, 0.4847, 0.2444

Previews

White Background



This preview shows how the Yxy color 47.0579, 0.2622, 0.4161 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 47.0579, 0.2622, 0.4161 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 47.0579, 0.2622, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 47.0579, 0.2622, 0.4161.

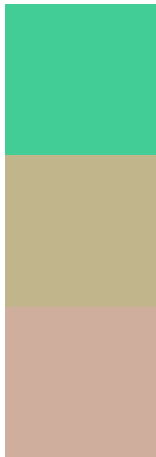


This preview shows how white text looks on a background with the Yxy color 47.0579, 0.2622, 0.4161.

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

47.0579, 0.2622, 0.4161

Protanopia

46.2493, 0.3583, 0.3838

Deuteranopia

45.9718, 0.3578, 0.3503



Tritanopia

47.0119, 0.2371, 0.3062

Trichromacy



Original Color

47.0579, 0.2622, 0.4161



Protanomaly

45.0131, 0.3127, 0.3976



Deuteranomaly

44.0989, 0.3123, 0.3733



Tritanomaly

46.8653, 0.2458, 0.3436

Monochromacy



Original Color

47.0579, 0.2622, 0.4161



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.8903, 0.2862, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0579, 0.2622, 0.4161 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(67, 205, 150)` looks like.

```
.text, #text, p{  
    color:rgb(67, 205, 150)  
}
```

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(67, 205, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 205, 150) }
```

Border

The CSS property to change the border of an element to Yxy 47.0579, 0.2622, 0.4161 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(67, 205, 150) }
```

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

```
.border{ border-color:rgb(67, 205, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 205, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 205, 150); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 205, 150); box-shadow:4px 4px 4px 4px rgb(67, 205, 150) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0579, 0.2622, 0.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 205, 150) }
```

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

```
.background{ background-color: rgb(67, 205,  
150) }
```

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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