

Converting Colors

$Yxy(41.1446, 0.2490, 0.3904)$

Have a look what the booklet for
Yxy(41.1446, 0.2490, 0.3904)
contains.

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Color

Yxy(41.1446, 0.2490, 0.3904)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2FC19C |
| RGB | 47, 193, 156 |
| RGB Percent | 18%, 76%, 61% |
| CMY | 0.8156, 0.2431, 0.3883 |
| CMYK | 0.76, 0.00, 0.19, 0.24 |
| HSL | 165°, 61%, 47% |
| HSV | 165°, 76%, 76% |
| XYZ | 26.2423, 41.1446, 38.0040 |
| YIQ | 145.1280, -75.1390, -42.4590 |

Conversions

Conversions Part 2

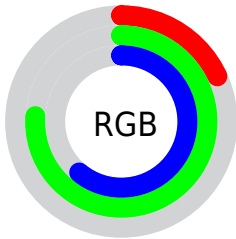
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 47, 131, 193 |
| Decimal | 3129756 |
| CIELab | 70.28, -46.30, 7.94 |
| CIELCh | 70, 46.979, 170.273 |
| Yxy | 41.1446, 0.2490, 0.3904 |
| Android (android.graphics.Color) | 4281319836 (0xFF2FC19C) |
| YUV | 145.1280, 5.3599, -86.0583 |
| Hunter-Lab | 64.1441, -39.2250, 9.7728 |

Details

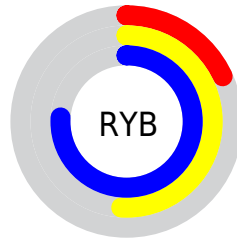
The Yxy color **41.1446, 0.2490, 0.3904** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **14.0131, 0.5082, 0.2894**, and the grayscale version is **28.3731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6692, 0.2611, 0.3785**, and **19.1969, 0.2461, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **40.6219, 0.2474, 0.3999**, and if you desaturate by 10%, it is **41.8799, 0.2526, 0.3810**.

Distribution



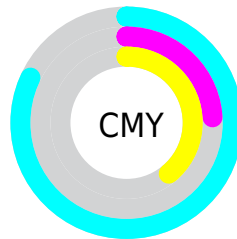
- Red (18%)
- Green (76%)
- Blue (61%)



- Red (18%)
- Yellow (51%)
- Blue (76%)



- Cyan (76%)
- Magenta (0%)
- Yellow (19%)
- Black (24%)



- Cyan (82%)
- Magenta (24%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1446, 0.2490, 0.3904 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 41.1446, 0.2490, 0.3904 by changing the saturation by 10% instead.


 41.1446, 0.2490,
0.3904

 41.1446, 0.2490,
0.3904


350.9246, 0.2818,
0.3581


 28.4321, 0.2405,
0.3990


 76.9034, 0.2611,
0.3782


 18.6516, 0.2295,
0.4104


 100.7184, 0.2656,
0.3738


 11.4188, 0.2146,
0.4262


 129.0030, 0.2694,
0.3701

 6.3493, 0.1934,
0.4493


 162.1417, 0.2726,
0.3670

 3.0586, 0.1612,
0.4863

 200.5188, 0.2754,
0.3643

 1.1624, 0.0000,
0.6296

244.5188, 0.2778,

 0.0307, 0.0000,

0.3619

1.0000

294.5259, 0.2799,
0.3599

■ 0.0000, 0.0000,
0.0000

■ 41.1446, 0.2490,
0.3904

■ 41.1446, 0.2490,
0.3904

■ 40.6219, 0.2474,
0.3999

■ 41.8799, 0.2526,
0.3810

■ 40.2774, 0.2477,
0.4092

■ 42.8469, 0.2580,
0.3718

■ 40.1572, 0.2481,
0.4133

■ 44.0676, 0.2652,
0.3629

■ 45.5604, 0.2739,
0.3544

■ 47.3417, 0.2838,
0.3465

■ 49.4268, 0.2946,
0.3392

■ 51.8298, 0.3061,
0.3325

■ 54.5640, 0.3179,
0.3264

■ 57.6418, 0.3299,
0.3210

Harmonies

Analogous

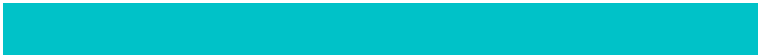
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.1446, 0.3105, 0.4438



41.1446, 0.2490, 0.3904



41.1446, 0.2075, 0.3187

Triad

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



41.1446, 0.2490, 0.3904



41.1446, 0.2428, 0.2246



41.1446, 0.4490, 0.3742

Complementary

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



41.1446, 0.2490, 0.3904



14.0131, 0.5082, 0.2894

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.



41.1446, 0.4292, 0.3227



41.1446, 0.2490, 0.3904



41.1446, 0.3028, 0.2412

Square

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



41.1446, 0.2490, 0.3904



41.1446, 0.2050, 0.2301



41.1446, 0.3729, 0.2759



41.1446, 0.4276, 0.4222

Rectangle

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



41.1446, 0.2490, 0.3904



41.1446, 0.1947, 0.2776



41.1446, 0.3729, 0.2759



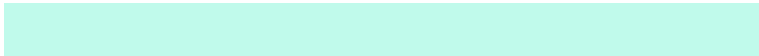
41.1446, 0.4471, 0.3570

Sweetspot

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



41.1462, 0.2490, 0.3904



85.5878, 0.2862, 0.3448



40.3230, 0.3209, 0.5525



18.0892, 0.2824, 0.3475



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.1462, 0.2490, 0.3904



72.3015, 0.2474, 0.4062



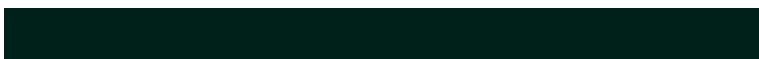
29.2310, 0.2161, 0.2724



11.3834, 0.3017, 0.3349



26.7215, 0.2478, 0.4121



1.1651, 0.2420, 0.3912

Inverse Universe

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



14.0131, 0.5082, 0.2894



21.4798, 0.5697, 0.2974



17.4403, 0.5346, 0.3663



10.1189, 0.3250, 0.3232



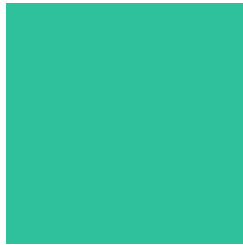
7.6990, 0.5894, 0.3020



0.3442, 0.5238, 0.2659

Previews

White Background



This preview shows how the Yxy color 41.1446, 0.2490, 0.3904 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 41.1446, 0.2490, 0.3904 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

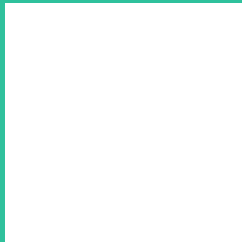
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1446, 0.2490, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 41.1446, 0.2490, 0.3904.



This preview shows how white text looks on a background with the Yxy color 41.1446, 0.2490, 0.3904.

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

41.1446, 0.2490, 0.3904

Protanopia

40.3468, 0.3438, 0.3651

Deuteranopia

40.4661, 0.3392, 0.3331



Tritanopia

41.1826, 0.2313, 0.3063

Trichromacy



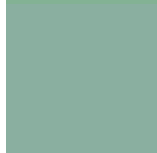
Original Color

41.1446, 0.2490, 0.3904



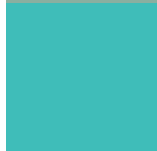
Protanomaly

38.8042, 0.2964, 0.3756



Deuteranomaly

38.6013, 0.2929, 0.3517



Tritanomaly

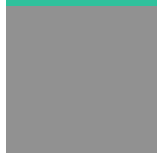
40.9547, 0.2373, 0.3351

Monochromacy



Original Color

41.1446, 0.2490, 0.3904



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.2618, 0.2767, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1446, 0.2490, 0.3904 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(47, 193, 156)` looks like.

```
.text, #text, p{  
    color:rgb(47, 193, 156)  
}
```

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(47, 193, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 193, 156) }
```

Border

The CSS property to change the border of an element to Yxy 41.1446, 0.2490, 0.3904 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(47, 193, 156) }
```

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

```
.border{ border-color:rgb(47, 193, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 193, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 193, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 193, 156);  
box-shadow:4px 4px 4px 4px rgb(47, 193,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1446, 0.2490, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 193, 156) }
```

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

```
.background{ background-color: rgb(47, 193,  
156) }
```

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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