

Converting Colors

$Yxy(43.1538, 0.2746, 0.4758)$

Have a look what the booklet for
Yxy(43.1538, 0.2746, 0.4758)
contains.

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Color

Yxy(43.1538, 0.2746, 0.4758)

Conversions

Conversions Part 1

Format	Color
Hex	31C871
RGB	49, 200, 113
RGB Percent	19%, 78%, 44%
CMY	0.8074, 0.2157, 0.5569
CMYK	0.75, 0.00, 0.44, 0.22
HSL	145°, 61%, 49%
HSV	145°, 75%, 78%
XYZ	24.9055, 43.1538, 22.6381
YIQ	144.9330, -62.0690, -59.0690

Conversions

Conversions Part 2

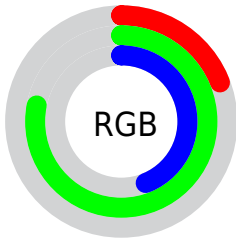
Format	Color
RYB	49, 155, 200
Decimal	3262577
CIELab	71.66, -57.89, 32.65
CIELCh	72, 66.461, 150.573
Yxy	43.1538, 0.2746, 0.4758
Android (android.graphics.Color)	4281452657 (0xFF31C871)
YUV	144.9330, -15.7430, -84.1332
Hunter-Lab	65.6916, -47.2859, 25.5521

Details

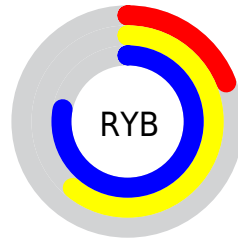
The Yxy color **43.1538, 0.2746, 0.4758** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.2667, 0.4162, 0.2305**, and the grayscale version is **28.3851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0551, 0.2831, 0.4421**, and **20.6097, 0.2774, 0.5187** is the 20% darker color. If you saturate the color by 10%, you get **42.5191, 0.2754, 0.4976**, and if you desaturate by 10%, it is **44.0457, 0.2757, 0.4533**.

Distribution



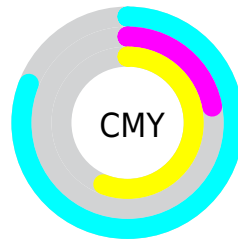
- Red (19%)
- Green (78%)
- Blue (44%)



- Red (19%)
- Yellow (61%)
- Blue (78%)



- Cyan (75%)
- Magenta (0%)
- Yellow (44%)
- Black (22%)





- Cyan (81%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1538, 0.2746, 0.4758 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 43.1538, 0.2746, 0.4758 by changing the saturation by 10% instead.


 43.1538, 0.2746,
0.4758


 43.1538, 0.2746,
0.4758


359.2439, 0.2971,
0.3957

 30.0058, 0.2677,
0.4979


 79.9429, 0.2837,
0.4451


 19.8430, 0.2581,
0.5274

 104.3528, 0.2868,
0.4341

 12.2810, 0.2439,
0.5686


 133.2854, 0.2893,
0.4249

 6.9353, 0.2214,
0.6288

 167.1253, 0.2914,
0.4172

 3.4217, 0.1877,
0.7413

 206.2566, 0.2932,
0.4106

 1.3556, 0.0000,
1.0000

251.0639, 0.2947,

 0.1837, 0.0000,

0.4050

1.0000

301.9315, 0.2960,
0.4000

■ 0.0000, 0.0000,
0.0000

■ 43.1538, 0.2746,
0.4758

■ 43.1538, 0.2746,
0.4758

■ 42.5191, 0.2754,
0.4976

■ 44.0457, 0.2757,
0.4533

■ 42.1033, 0.2781,
0.5178

■ 45.2165, 0.2785,
0.4308

■ 41.9581, 0.2796,
0.5265

■ 46.6915, 0.2829,
0.4091

■ 48.4915, 0.2884,
0.3885

■ 50.6354, 0.2947,
0.3695

■ 53.1409, 0.3016,
0.3522

■ 56.0240, 0.3088,
0.3367

■ 59.3001, 0.3160,
0.3229

■ 62.9836, 0.3232,
0.3107

Harmonies

Analogous

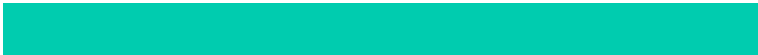
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.1538, 0.3626, 0.5054



43.1538, 0.2746, 0.4758



43.1538, 0.2019, 0.3795

Triad

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



43.1538, 0.2746, 0.4758



43.1538, 0.1836, 0.1921



43.1538, 0.4901, 0.3378

Complementary

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



43.1538, 0.2746, 0.4758



16.2667, 0.4162, 0.2305

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.



43.1538, 0.4269, 0.2762



43.1538, 0.2746, 0.4758



43.1538, 0.2419, 0.1968

Square

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



43.1538, 0.2746, 0.4758



43.1538, 0.1574, 0.2172



43.1538, 0.3301, 0.2265



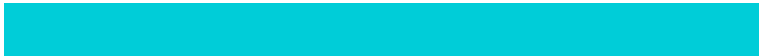
43.1538, 0.4925, 0.4041

Rectangle

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



43.1538, 0.2746, 0.4758



43.1538, 0.1715, 0.3096



43.1538, 0.3301, 0.2265



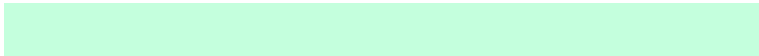
43.1538, 0.4752, 0.3165

Sweetspot

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



43.1555, 0.2746, 0.4758



88.5328, 0.2962, 0.3657



46.8597, 0.3556, 0.5282



18.6330, 0.2937, 0.3724



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.



43.1555, 0.2746, 0.4758



73.0868, 0.2771, 0.5117



45.5694, 0.2363, 0.3480



11.9612, 0.3059, 0.3426



26.6963, 0.2789, 0.5239



1.2785, 0.2672, 0.4819

Inverse Universe

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



16.2667, 0.4162, 0.2305



24.2968, 0.4497, 0.2295



14.8301, 0.5529, 0.3180



10.7378, 0.3201, 0.3158



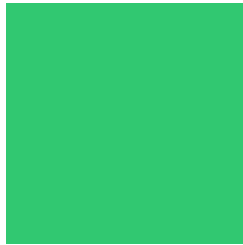
8.6177, 0.4621, 0.2319



0.4223, 0.4249, 0.2114

Previews

White Background



This preview shows how the Yxy color 43.1538, 0.2746, 0.4758 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 43.1538, 0.2746, 0.4758 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 43.1538, 0.2746, 0.4758

Background



This preview shows how black text looks on a background with the Yxy color 43.1538, 0.2746, 0.4758.



This preview shows how white text looks on a background with the Yxy color 43.1538, 0.2746, 0.4758.

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

43.1538, 0.2746, 0.4758

Protanopia

42.3277, 0.3894, 0.4218

Deuteranopia

42.4278, 0.3945, 0.3867



Tritanopia

42.7814, 0.2359, 0.3053

Trichromacy



Original Color

43.1538, 0.2746, 0.4758



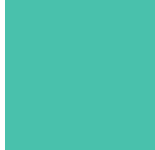
Protanomaly

40.4175, 0.3331, 0.4453



Deuteranomaly

40.0322, 0.3359, 0.4206



Tritanomaly

42.5350, 0.2491, 0.3620

Monochromacy



Original Color

43.1538, 0.2746, 0.4758



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.9187, 0.2902, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1538, 0.2746, 0.4758 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(49, 200, 113)` looks like.

```
.text, #text, p{  
    color:rgb(49, 200, 113)  
}
```

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(49, 200, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 200, 113) }
```

Border

The CSS property to change the border of an element to Yxy 43.1538, 0.2746, 0.4758 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(49, 200, 113) }
```

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

```
.border{ border-color:rgb(49, 200, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 200, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 200, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 200, 113);  
box-shadow:4px 4px 4px 4px rgb(49, 200,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1538, 0.2746, 0.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 200, 113) }
```

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

```
.background{ background-color: rgb(49, 200,  
113) }
```

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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