

Converting Colors

$Y_{xy}(41.8976, 0.2770, 0.4738)$

Have a look what the booklet for
Yxy(41.8976, 0.2770, 0.4738)
contains.

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Color

Yxy(41.9431, 0.2768, 0.4734)

Conversions

Conversions Part 1

Format	Color
Hex	38C570
RGB	56, 197, 112
RGB Percent	22%, 77%, 44%
CMY	0.7801, 0.2275, 0.5608
CMYK	0.72, 0.00, 0.43, 0.23
HSL	144°, 56%, 50%
HSV	144°, 72%, 77%
XYZ	24.5244, 41.9431, 22.1322
YIQ	145.1510, -56.7510, -56.3270

Conversions

Conversions Part 2

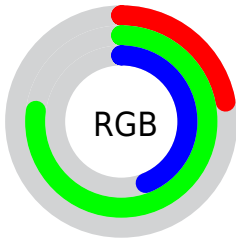
Format	Color
RYB	56, 157, 197
Decimal	3720560
CIELab	70.83, -55.96, 32.12
CIELCh	71, 64.521, 150.148
Yxy	41.9431, 0.2768, 0.4734
Android (android.graphics.Color)	4281910640 (0xFF38C570)
YUV	145.1510, -16.3434, -78.1854
Hunter-Lab	64.7635, -45.7424, 25.0727

Details

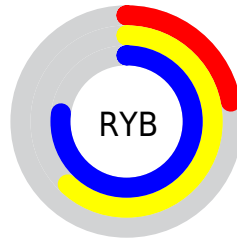
The Yxy color **41.9431, 0.2768, 0.4734** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.6301, 0.4020, 0.2285**, and the grayscale version is **28.4732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3016, 0.2853, 0.4429**, and **19.6938, 0.2771, 0.5177** is the 20% darker color. If you saturate the color by 10%, you get **41.2364, 0.2770, 0.4963**, and if you desaturate by 10%, it is **42.9115, 0.2784, 0.4499**.

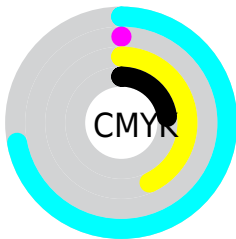
Distribution



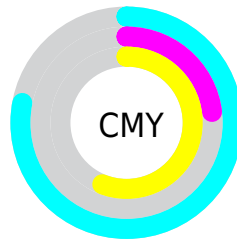
- Red (22%)
- Green (77%)
- Blue (44%)



- Red (22%)
- Yellow (62%)
- Blue (77%)



- Cyan (72%)
- Magenta (0%)
- Yellow (43%)
- Black (23%)




- Cyan (78%)
- Magenta (23%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9431, 0.2768, 0.4734 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 41.9431, 0.2768, 0.4734 by changing the saturation by 10% instead.


 41.9431, 0.2768,
0.4734


 41.9431, 0.2768,
0.4734

354.2470, 0.2982,
0.3943


 29.0567, 0.2702,
0.4953


 78.1135, 0.2855,
0.4430


 19.1237, 0.2609,
0.5247


 102.1663, 0.2884,
0.4321


 11.7597, 0.2470,
0.5658


 130.7101, 0.2909,
0.4231

 6.5803, 0.2248,
0.6263

 164.1292, 0.2928,
0.4155

 3.2010, 0.1924,
0.7457

 202.8081, 0.2945,
0.4090

 1.2376, 0.0000,
1.0000

247.1311, 0.2959,


 0.0921, 0.0000,


0.4035


1.0000


297.4826, 0.2971,
0.3986


 0.0000, 0.0000,
0.0000


 41.9431, 0.2768,
0.4734


 41.9431, 0.2768,
0.4734


 41.2364, 0.2770,
0.4963


 42.9115, 0.2784,
0.4499


 40.7569, 0.2790,
0.5178

 44.1611, 0.2817,
0.4266

 40.4850, 0.2818,
0.5343

 45.7153, 0.2863,
0.4043

 47.5936, 0.2919,
0.3834

 49.8139, 0.2982,
0.3641

■ 52.3925, 0.3048,
0.3468

■ 55.3450, 0.3117,
0.3312

■ 58.6858, 0.3185,
0.3175

■ 62.4286, 0.3252,
0.3054

Harmonies

Analogous

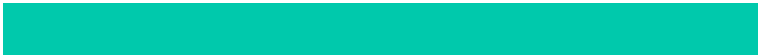
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9431, 0.3634, 0.5017



41.9431, 0.2768, 0.4734



41.9431, 0.2048, 0.3800

Triad

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



41.9431, 0.2768, 0.4734



41.9431, 0.1851, 0.1945



41.9431, 0.4862, 0.3372

Complementary

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



41.9431, 0.2768, 0.4734



16.6301, 0.4020, 0.2285

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.



41.9431, 0.4235, 0.2765



41.9431, 0.2768, 0.4734



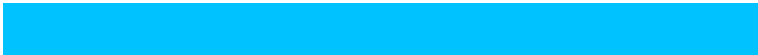
41.9431, 0.2421, 0.1986

Square

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



41.9431, 0.2768, 0.4734



41.9431, 0.1596, 0.2198



41.9431, 0.3285, 0.2276



41.9431, 0.4898, 0.4026

Rectangle

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



41.9431, 0.2768, 0.4734



41.9431, 0.1744, 0.3116



41.9431, 0.3285, 0.2276



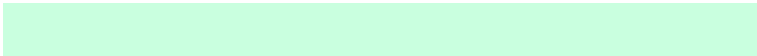
41.9431, 0.4713, 0.3162

Sweetspot

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



41.9448, 0.2768, 0.4734



89.3117, 0.2983, 0.3637



46.0559, 0.3596, 0.5174



18.8633, 0.2965, 0.3689



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.



41.9448, 0.2768, 0.4734



73.3132, 0.2779, 0.5090



44.0930, 0.2403, 0.3544



11.9565, 0.3063, 0.3433



26.6445, 0.2811, 0.5319



1.2758, 0.2692, 0.4890

Inverse Universe

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



16.6301, 0.4020, 0.2285



25.3294, 0.4307, 0.2230



15.1796, 0.5273, 0.3123



10.7426, 0.3197, 0.3152



8.6976, 0.4513, 0.2260



0.4258, 0.4171, 0.2071

Previews

White Background



This preview shows how the Yxy color 41.9431, 0.2768, 0.4734 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 41.9431, 0.2768, 0.4734 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 41.9431, 0.2768, 0.4734

Background



This preview shows how black text looks on a background with the Yxy color 41.9431, 0.2768, 0.4734.



This preview shows how white text looks on a background with the Yxy color 41.9431, 0.2768, 0.4734.

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

41.9431, 0.2768, 0.4734

Protanopia

41.1557, 0.3884, 0.4218

Deuteranopia

41.2455, 0.3935, 0.3863



Tritanopia

41.9288, 0.2381, 0.3066

Trichromacy



Original Color

41.9431, 0.2768, 0.4734



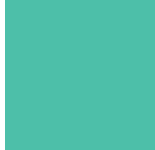
Protanomaly

39.6638, 0.3352, 0.4441



Deuteranomaly

39.3079, 0.3381, 0.4193



Tritanomaly

41.7040, 0.2517, 0.3638

Monochromacy



Original Color

41.9431, 0.2768, 0.4734



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.7551, 0.2926, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9431, 0.2768, 0.4734 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(56, 197, 112)` looks like.

```
.text, #text, p{  
    color:rgb(56, 197, 112)  
}
```

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(56, 197, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 197, 112) }
```

Border

The CSS property to change the border of an element to Yxy 41.9431, 0.2768, 0.4734 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(56, 197, 112) }
```

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

```
.border{ border-color:rgb(56, 197, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 197, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 197, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 197, 112);  
box-shadow:4px 4px 4px 4px rgb(56, 197,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9431, 0.2768, 0.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 197, 112) }
```

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

```
.background{ background-color: rgb(56, 197,  
112) }
```

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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