

Converting Colors

$Yxy(67.6399, 0.2514, 0.4077)$

Have a look what the booklet for
Yxy(67.6399, 0.2514, 0.4077)
contains.

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Color

Yxy(67.6354, 0.2512, 0.4072)

Conversions

Conversions Part 1

Format	Color
Hex	30F2B9
RGB	48, 242, 185
RGB Percent	19%, 95%, 73%
CMY	0.8119, 0.0509, 0.2746
CMYK	0.80, 0.00, 0.24, 0.05
HSL	162°, 88%, 57%
HSV	162°, 80%, 95%
XYZ	41.7240, 67.6354, 56.7393
YIQ	177.4960, -97.3270, -58.8550

Conversions

Conversions Part 2

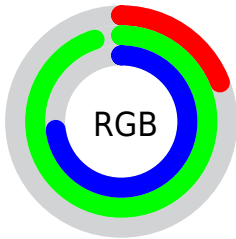
Format	Color
RYB	48, 162, 242
Decimal	3207865
CIELab	85.82, -58.89, 14.62
CIELCh	86, 60.680, 166.063
Yxy	67.6354, 0.2512, 0.4072
Android (android.graphics.Color)	4281397945 (0xFF30F2B9)
YUV	177.4960, 3.6995, -113.5680
Hunter-Lab	82.2407, -53.3612, 16.6633

Details

The Yxy color **67.6354, 0.2512, 0.4072** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **22.0093, 0.5175, 0.2832**, and the grayscale version is **44.2538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3065, 0.2526, 0.3451**, and **36.3639, 0.2514, 0.4248** is the 20% darker color. If you saturate the color by 10%, you get **66.9089, 0.2511, 0.4184**, and if you desaturate by 10%, it is **68.7025, 0.2533, 0.3959**.

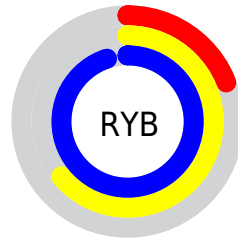
Distribution



Red (19%)

Green (95%)

Blue (73%)



Red (19%)

Yellow (64%)

Blue (95%)

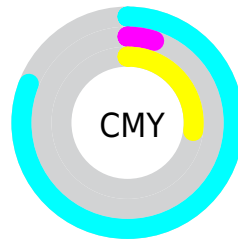


Cyan (80%)

Magenta (0%)

Yellow (24%)

Black (5%)



Cyan (81%)


Magenta (5%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6354, 0.2512, 0.4072 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 67.6354, 0.2512, 0.4072 by changing the saturation by 10% instead.

 67.6354, 0.2512,
0.4072


 67.6354, 0.2512,
0.4072


452.2031, 0.2808,
0.3687


 49.6012, 0.2442,
0.4166


 115.8304, 0.2617,
0.3934


 35.0966, 0.2354,
0.4285


 146.7600, 0.2657,
0.3881

 23.7373, 0.2241,
0.4441


 182.7568, 0.2691,
0.3837

 15.1389, 0.2091,
0.4654

 224.2052, 0.2721,
0.3798

 8.9169, 0.1882,
0.4959

271.4897, 0.2747,
0.3765

 4.6870, 0.1575,
0.5429

324.9945, 0.2769,

 2.0648, 0.0715,

0.3736

0.6498

385.1042, 0.2790,
0.3710

■ 0.6447, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.6354, 0.2512,
0.4072

■ 67.6354, 0.2512,
0.4072

■ 66.9089, 0.2511,
0.4184

■ 68.7025, 0.2533,
0.3959


■ 66.4445, 0.2526,
0.4293


■ 70.1483, 0.2575,
0.3848


■ 72.0140, 0.2636,
0.3739

■ 74.3332, 0.2712,
0.3636

 77.1362, 0.2803,
0.3539

 80.4505, 0.2904,
0.3448

 84.3017, 0.3012,
0.3366

 88.7135, 0.3125,
0.3291

 91.6079, 0.3169,
0.3223

Harmonies

Analogous

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



67.6354, 0.3195, 0.4604



67.6354, 0.2512, 0.4072



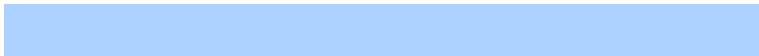
67.6354, 0.2031, 0.3277

Triad

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



67.6354, 0.2512, 0.4072



67.6354, 0.2294, 0.2156



67.6354, 0.4612, 0.3687

Complementary

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



67.6354, 0.2512, 0.4072



22.0093, 0.5175, 0.2832

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.



67.6354, 0.4336, 0.3138



67.6354, 0.2512, 0.4072



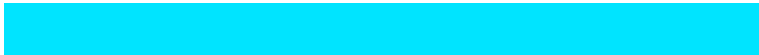
67.6354, 0.2912, 0.2305

Square

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



67.6354, 0.2512, 0.4072



67.6354, 0.1929, 0.2246



67.6354, 0.3678, 0.2652



67.6354, 0.4428, 0.4223

Rectangle

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



67.6354, 0.2512, 0.4072



67.6354, 0.1869, 0.2806



67.6354, 0.3678, 0.2652



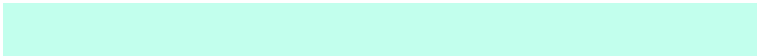
67.6354, 0.4573, 0.3501

Sweetspot

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



67.6381, 0.2512, 0.4072



89.0780, 0.2864, 0.3483



66.7970, 0.3222, 0.5627



18.7840, 0.2828, 0.3515



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.



67.6381, 0.2512, 0.4072



75.0067, 0.2519, 0.4252



49.8446, 0.2146, 0.2768



17.8452, 0.3020, 0.3360



35.7170, 0.2521, 0.4275



2.9886, 0.2480, 0.4128

Inverse Universe

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



22.0093, 0.5175, 0.2832



22.0929, 0.5718, 0.2946



25.8712, 0.5626, 0.3590



15.8353, 0.3247, 0.3221



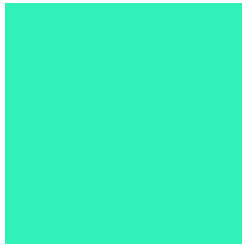
10.4070, 0.5783, 0.2959



0.8825, 0.5410, 0.2754

Previews

White Background



This preview shows how the Yxy color 67.6354, 0.2512, 0.4072 looks on a white background.

Color Contrast Check

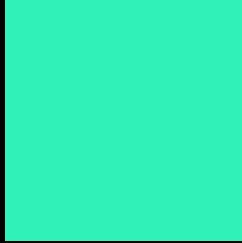
Large Text (above 18pt) WCAG AA × Fail

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 67.6354, 0.2512, 0.4072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

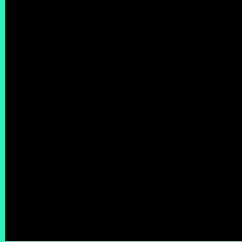
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

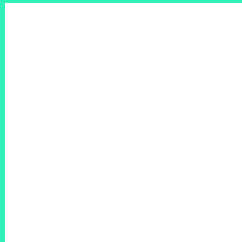
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6354, 0.2512, 0.4072

Background



This preview shows how black text looks on a background with the Yxy color 67.6354, 0.2512, 0.4072.

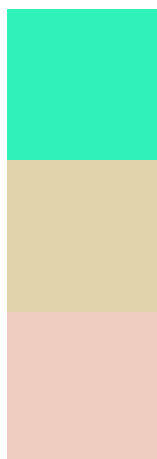


This preview shows how white text looks on a background with the Yxy color 67.6354, 0.2512, 0.4072.

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

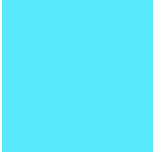
67.6354, 0.2512, 0.4072

Protanopia

66.1580, 0.3535, 0.3762

Deuteranopia

66.0382, 0.3490, 0.3420



Tritanopia

67.3808, 0.2300, 0.3055

Trichromacy



Original Color

67.6354, 0.2512, 0.4072



Protanomaly

63.4476, 0.3004, 0.3904



Deuteranomaly

62.4066, 0.2972, 0.3640



Tritanomaly

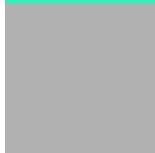
67.0088, 0.2365, 0.3391

Monochromacy



Original Color

67.6354, 0.2512, 0.4072



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

49.8144, 0.2759, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6354, 0.2512, 0.4072 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(48, 242, 185)` looks like.

```
.text, #text, p{  
    color:rgb(48, 242, 185)  
}
```

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(48, 242, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 242, 185) }
```

Border

The CSS property to change the border of an element to Yxy 67.6354, 0.2512, 0.4072 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(48, 242, 185) }
```

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

```
.border{ border-color:rgb(48, 242, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 242, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 242, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 242, 185);  
box-shadow:4px 4px 4px 4px rgb(48, 242,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6354, 0.2512, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 242, 185) }
```

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

```
.background{ background-color: rgb(48, 242,  
185) }
```

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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