

Converting Colors

$Yxy(64.8048, 0.2550, 0.4381)$

Have a look what the booklet for
Yxy(64.8048, 0.2550, 0.4381)
contains.

Yxy(64.9645, 0.2553, 0.4391)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.9645, 0.2553, 0.4391)

Conversions

Conversions Part 1

Format	Color
Hex	00F0A3
RGB	0, 240, 163
RGB Percent	0%, 94%, 64%
CMY	1.0000, 0.0588, 0.3607
CMYK	1.00, 0.00, 0.32, 0.06
HSL	161°, 100%, 47%
HSV	161°, 100%, 94%
XYZ	37.7714, 64.9645, 45.2133
YIQ	159.4620, -118.3230, -74.8270

Conversions

Conversions Part 2

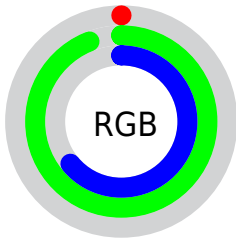
Format	Color
RYB	0, 143, 240
Decimal	61603
CIELab	84.47, -65.44, 24.01
CIELCh	84, 69.703, 159.854
Yxy	64.9645, 0.2553, 0.4391
Android (android.graphics.Color)	4278251683 (0xFF00F0A3)
YUV	159.4620, 1.7442, -139.8482
Hunter-Lab	80.6006, -57.4014, 23.1614

Details

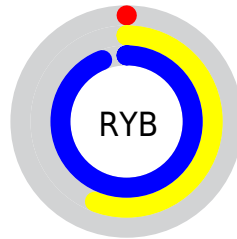
The Yxy color **64.9645, 0.2553, 0.4391** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **19.0614, 0.5729, 0.2930**, and the grayscale version is **34.9287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0267, 0.2575, 0.3740**, and **34.6036, 0.2617, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **64.9681, 0.2553, 0.4391**, and if you desaturate by 10%, it is **65.4467, 0.2535, 0.4270**.

Distribution



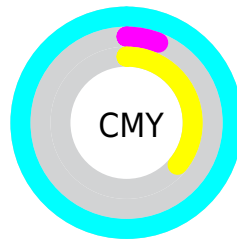
- Red (0%)
- Green (94%)
- Blue (64%)



- Red (0%)
- Yellow (56%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9645, 0.2553, 0.4391 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 64.9645, 0.2553, 0.4391 by changing the saturation by 10% instead.


 64.9645, 0.2553,
0.4391


 64.9645, 0.2553,
0.4391


442.6644, 0.2841,
0.3835


 47.4323, 0.2482,
0.4531

 111.9988, 0.2657,
0.4188


 33.3775, 0.2391,
0.4709


 142.2697, 0.2697,
0.4112


 22.4158, 0.2271,
0.4947


 177.5556, 0.2730,
0.4048

 14.1628, 0.2106,
0.5275

 218.2410, 0.2758,
0.3993

 8.2339, 0.1869,
0.5753

 264.7101, 0.2783,
0.3945

 4.2450, 0.1506,
0.6497

317.3475, 0.2805,

 1.8115, 0.0000,

0.3904

0.9652

376.5374, 0.2824,
0.3867

■ 0.4944, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9645, 0.2553,
0.4391

■ 64.9645, 0.2553,
0.4391


■ 64.9681, 0.2553,
0.4391

■ 65.4467, 0.2535,
0.4270


■ 66.1825, 0.2535,
0.4146

■ 67.2508, 0.2554,
0.4022

■ 68.6964, 0.2594,
0.3899

 70.5572, 0.2653,
0.3780

 72.8662, 0.2727,
0.3667

 75.6529, 0.2815,
0.3560

 78.9444, 0.2913,
0.3461

 82.7657, 0.3018,
0.3371

Harmonies

Analogous

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



64.9645, 0.3353, 0.4890



64.9645, 0.2553, 0.4391



64.9645, 0.1955, 0.3453

Triad

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



64.9645, 0.2553, 0.4391



64.9645, 0.2064, 0.2001



64.9645, 0.4827, 0.3580

Complementary

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



64.9645, 0.2553, 0.4391



19.0614, 0.5729, 0.2930

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.



64.9645, 0.4403, 0.2979



64.9645, 0.2553, 0.4391



64.9645, 0.2705, 0.2120

Square

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



64.9645, 0.2553, 0.4391



64.9645, 0.1723, 0.2151



64.9645, 0.3574, 0.2465



64.9645, 0.4696, 0.4202

Rectangle

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



64.9645, 0.2553, 0.4391



64.9645, 0.1735, 0.2867



64.9645, 0.3574, 0.2465



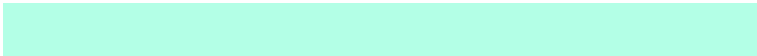
64.9645, 0.4747, 0.3374

Sweetspot

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



64.9681, 0.2553, 0.4391



86.7836, 0.2814, 0.3561



64.0281, 0.3161, 0.5872



18.2715, 0.2776, 0.3605



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.



64.9681, 0.2553, 0.4391



74.5456, 0.2554, 0.4395



47.6016, 0.2095, 0.2740



17.8377, 0.3024, 0.3367



35.5885, 0.2548, 0.4371



2.9787, 0.2503, 0.4211

Inverse Universe

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



19.0614, 0.5729, 0.2930



21.8659, 0.5737, 0.2934



20.0436, 0.6254, 0.3416



15.8424, 0.3243, 0.3215



10.4556, 0.5687, 0.2906



0.8873, 0.5315, 0.2702

Previews

White Background



This preview shows how the Yxy color 64.9645, 0.2553, 0.4391 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 64.9645, 0.2553, 0.4391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

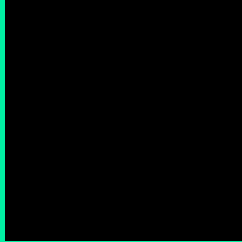
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9645, 0.2553, 0.4391

Background



This preview shows how black text looks on a background with the Yxy color 64.9645, 0.2553, 0.4391.

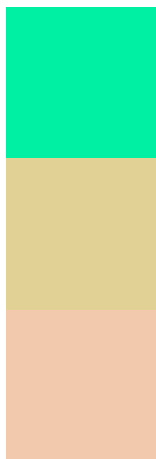


This preview shows how white text looks on a background with the Yxy color 64.9645, 0.2553, 0.4391.

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

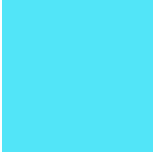
64.9645, 0.2553, 0.4391

Protanopia

63.7784, 0.3689, 0.3969

Deuteranopia

63.6291, 0.3681, 0.3606



Tritanopia

64.6098, 0.2287, 0.3051

Trichromacy



Original Color

64.9645, 0.2553, 0.4391



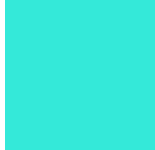
Protanomaly

59.3591, 0.3013, 0.4183



Deuteranomaly

58.3355, 0.2995, 0.3900



Tritanomaly

64.0176, 0.2356, 0.3502

Monochromacy



Original Color

64.9645, 0.2553, 0.4391



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

41.2712, 0.2684, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9645, 0.2553, 0.4391 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(0, 240, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 163)  
}
```

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(0, 240, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 163) }
```

Border

The CSS property to change the border of an element to Yxy 64.9645, 0.2553, 0.4391 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(0, 240, 163) }
```

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

```
.border{ border-color:rgb(0, 240, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9645, 0.2553, 0.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 163) }
```

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

```
.background{ background-color: rgb(0, 240,  
163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor