

Converting Colors

$Y_{xy}(72.4541, 0.2599, 0.4557)$

Have a look what the booklet for
Yxy(72.4541, 0.2599, 0.4557)
contains.

Yxy(72.1589, 0.2599, 0.4557)	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(72.1589, 0.2599, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	00FCA0
RGB	0, 252, 160
RGB Percent	0%, 99%, 63%
CMY	1.0000, 0.0117, 0.3724
CMYK	1.00, 0.00, 0.36, 0.01
HSL	158°, 100%, 49%
HSV	158°, 100%, 99%
XYZ	41.1545, 72.1589, 45.0340
YIQ	166.1640, -120.6600, -82.0360

Conversions

Conversions Part 2

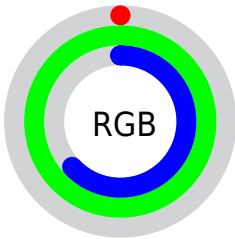
Format	Color
RYB	0, 154, 252
Decimal	64672
CIELab	88.05, -70.20, 30.38
CIELCh	88, 76.494, 156.604
Yxy	72.1589, 0.2599, 0.4557
Android (android.graphics.Color)	4278254752 (0xFF00FCA0)
YUV	166.1640, -3.0389, -145.7258
Hunter-Lab	84.9464, -62.1772, 28.0301

Details

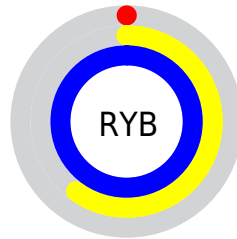
The Yxy color **72.1589, 0.2599, 0.4557** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.4687, 0.5567, 0.2840**, and the grayscale version is **38.2792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0711, 0.2599, 0.3777**, and **39.6663, 0.2671, 0.4817** is the 20% darker color. If you saturate the color by 10%, you get **72.1642, 0.2599, 0.4557**, and if you desaturate by 10%, it is **72.7074, 0.2577, 0.4418**.

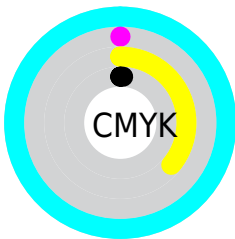
Distribution



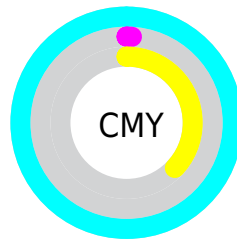
- Red (0%)
- Green (99%)
- Blue (63%)



- Red (0%)
- Yellow (60%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1589, 0.2599, 0.4557 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 72.1589, 0.2599, 0.4557 by changing the saturation by 10% instead.


 72.1589, 0.2599,
0.4557


 72.1589, 0.2599,
0.4557


468.0945, 0.2866,
0.3923


 53.2885, 0.2532,
0.4713


 122.2824, 0.2696,
0.4328


 38.0331, 0.2447,
0.4912


 154.3043, 0.2733,
0.4241

 26.0084, 0.2334,
0.5173

 191.4788, 0.2764,
0.4168

 16.8299, 0.2179,
0.5528

 234.1904, 0.2790,
0.4105

 10.1133, 0.1955,
0.6033

 282.8233, 0.2813,
0.4050

 5.4741, 0.1615,
0.6788


337.7620, 0.2833,

 2.5281, 0.0669,


0.4003


0.9145


399.3910, 0.2851,
0.3961


 0.8906, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.1589, 0.2599,
0.4557


 72.1589, 0.2599,
0.4557


 72.1642, 0.2599,
0.4557


 72.7074, 0.2577,
0.4418


 73.5449, 0.2572,
0.4276

 74.7599, 0.2587,
0.4133


 76.4033, 0.2623,
0.3991

 78.5179, 0.2678,
0.3853

 81.1411, 0.2748,
0.3722

 84.3065, 0.2831,
0.3599

 88.0445, 0.2924,
0.3486

 92.3836, 0.3024,
0.3383

Harmonies

Analogous

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



72.1589, 0.3447, 0.5003



72.1589, 0.2599, 0.4557



72.1589, 0.1944, 0.3569

Triad

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



72.1589, 0.2599, 0.4557



72.1589, 0.1957, 0.1942



72.1589, 0.4904, 0.3511

Complementary

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



72.1589, 0.2599, 0.4557



21.4687, 0.5567, 0.2840

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.



72.1589, 0.4398, 0.2893



72.1589, 0.2599, 0.4557



72.1589, 0.2591, 0.2039

Square

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



72.1589, 0.2599, 0.4557



72.1589, 0.1638, 0.2126



72.1589, 0.3492, 0.2375



72.1589, 0.4816, 0.4162

Rectangle

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



72.1589, 0.2599, 0.4557



72.1589, 0.1693, 0.2926



72.1589, 0.3492, 0.2375



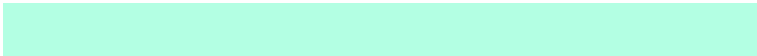
72.1589, 0.4799, 0.3299

Sweetspot

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



72.1642, 0.2599, 0.4557



86.5948, 0.2831, 0.3600



71.9208, 0.3192, 0.5847



18.2264, 0.2795, 0.3650



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.



72.1642, 0.2599, 0.4557



74.1266, 0.2599, 0.4558



57.3820, 0.2126, 0.2854



19.4948, 0.3029, 0.3378



37.6184, 0.2593, 0.4534



3.5045, 0.2546, 0.4367

Inverse Universe

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



21.4687, 0.5567, 0.2840



22.0513, 0.5568, 0.2841



21.8180, 0.6302, 0.3378



17.3299, 0.3236, 0.3204



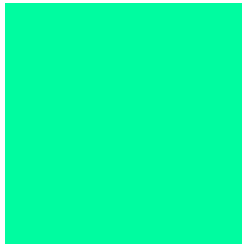
11.2085, 0.5523, 0.2816



1.0577, 0.5195, 0.2636

Previews

White Background



This preview shows how the Yxy color 72.1589, 0.2599, 0.4557 looks on a white background.

Color Contrast Check

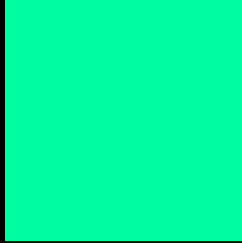
Large Text (above 18pt) WCAG AA × Fail

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 72.1589, 0.2599, 0.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

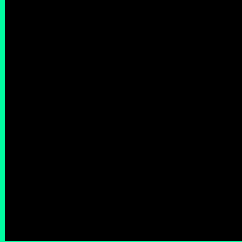
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1589, 0.2599, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 72.1589, 0.2599, 0.4557.



This preview shows how white text looks on a background with the Yxy color 72.1589, 0.2599, 0.4557.

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

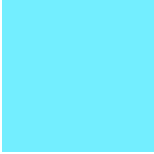
72.1589, 0.2599, 0.4557

Protanopia

70.7429, 0.3770, 0.4075

Deuteranopia

70.3317, 0.3758, 0.3684



Tritanopia

72.0139, 0.2387, 0.3087

Trichromacy



Original Color

72.1589, 0.2599, 0.4557



Protanomaly

65.9655, 0.3078, 0.4328



Deuteranomaly

64.3590, 0.3053, 0.4019



Tritanomaly

70.6850, 0.2419, 0.3584

Monochromacy



Original Color

72.1589, 0.2599, 0.4557



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.6770, 0.2706, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1589, 0.2599, 0.4557 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, 252, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 160)  
}
```

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, 252, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 160) }
```

Border

The CSS property to change the border of an element to Yxy 72.1589, 0.2599, 0.4557 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, 252, 160) }
```

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

```
.border{ border-color:rgb(0, 252, 160) }
```

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

Here you see how a box with a 4 pixel rgb(0, 252, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1589, 0.2599, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 160) }
```

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

```
.background{ background-color: rgb(0, 252,  
160) }
```

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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