

Converting Colors

Yxy(54.6238, 0.1931, 0.4606)

Have a look what the booklet for
Yxy(54.6238, 0.1931, 0.4606)
contains.

Yxy(61.2800, 0.2561, 0.4420)	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(61.2800, 0.2561, 0.4420)

Conversions

Conversions Part 1

Format	Color
Hex	00EA9D
RGB	0, 234, 157
RGB Percent	0%, 92%, 62%
CMY	1.0000, 0.0823, 0.3843
CMYK	1.00, 0.00, 0.33, 0.08
HSL	160°, 100%, 46%
HSV	160°, 100%, 92%
XYZ	35.5064, 61.2800, 41.8562
YIQ	155.2560, -114.7470, -73.5550

Conversions

Conversions Part 2

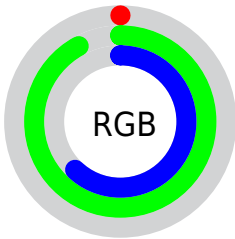
Format	Color
RYB	0, 140, 234
Decimal	60061
CIELab	82.53, -64.59, 24.46
CIELCh	83, 69.067, 159.262
Yxy	61.2800, 0.2561, 0.4420
Android (android.graphics.Color)	4278250141 (0xFF00EA9D)
YUV	155.2560, 0.8598, -136.1595
Hunter-Lab	78.2815, -56.0300, 23.0954

Details

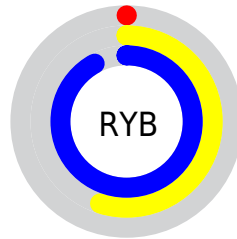
The Yxy color **61.2800, 0.2561, 0.4420** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.0294, 0.5694, 0.2911**, and the grayscale version is **32.9337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5885, 0.2594, 0.3818**, and **32.4642, 0.2633, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **61.2840, 0.2561, 0.4420**, and if you desaturate by 10%, it is **61.7423, 0.2543, 0.4295**.

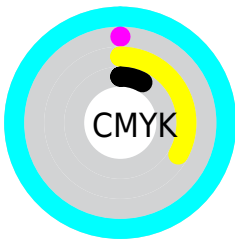
Distribution



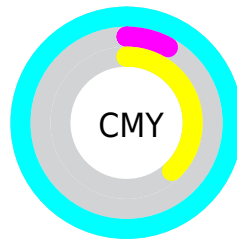
- Red (0%)
- Green (92%)
- Blue (62%)



- Red (0%)
- Yellow (55%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.2800, 0.2561, 0.4420 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 61.2800, 0.2561, 0.4420 by changing the saturation by 10% instead.

 61.2800, 0.2561,
0.4420

 61.2800, 0.2561,
0.4420


429.2999, 0.2849,
0.3843


 44.4512, 0.2488,
0.4567

 106.6843, 0.2666,
0.4208


 31.0254, 0.2395,
0.4756


 136.0285, 0.2706,
0.4129

 20.6182, 0.2271,
0.5009

 170.3133, 0.2739,
0.4062

 12.8452, 0.2099,
0.5362

 209.9231, 0.2767,
0.4006

 7.3220, 0.1847,
0.5883

 255.2422, 0.2792,
0.3956

 3.6643, 0.1453,
0.6706

306.6551, 0.2813,

 1.4876, 0.0000,

0.3914

1.0000

364.5462, 0.2832,
0.3876

■ 0.2800, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.2800, 0.2561,
0.4420

■ 61.2800, 0.2561,
0.4420

■ 61.2840, 0.2561,
0.4420


■ 61.7423, 0.2543,
0.4295


■ 62.4433, 0.2542,
0.4169


■ 63.4587, 0.2561,
0.4041


■ 64.8307, 0.2600,
0.3915

 66.5947, 0.2658,
0.3793

 68.7817, 0.2732,
0.3676

 71.4197, 0.2819,
0.3567

 74.5340, 0.2916,
0.3466

 78.1481, 0.3019,
0.3373

Harmonies

Analogous

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



61.2800, 0.3369, 0.4910



61.2800, 0.2561, 0.4420



61.2800, 0.1953, 0.3473

Triad

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



61.2800, 0.2561, 0.4420



61.2800, 0.2045, 0.1991



61.2800, 0.4840, 0.3568

Complementary

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



61.2800, 0.2561, 0.4420



18.0294, 0.5694, 0.2911

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.



61.2800, 0.4402, 0.2964



61.2800, 0.2561, 0.4420



61.2800, 0.2685, 0.2105

Square

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



61.2800, 0.2561, 0.4420



61.2800, 0.1708, 0.2147



61.2800, 0.3559, 0.2449



61.2800, 0.4717, 0.4195

Rectangle

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



61.2800, 0.2561, 0.4420



61.2800, 0.1728, 0.2877



61.2800, 0.3559, 0.2449



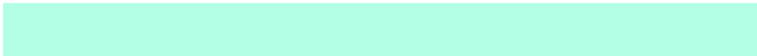
61.2800, 0.4756, 0.3361

Sweetspot

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



61.2840, 0.2561, 0.4420



86.7477, 0.2817, 0.3568



60.4693, 0.3162, 0.5871



18.2629, 0.2779, 0.3614



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.



61.2840, 0.2561, 0.4420



74.4637, 0.2563, 0.4426



44.9736, 0.2095, 0.2741



17.0327, 0.3025, 0.3369



34.4602, 0.2556, 0.4400



2.7236, 0.2508, 0.4227

Inverse Universe

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



18.0294, 0.5694, 0.2911



21.8987, 0.5706, 0.2917



18.9447, 0.6252, 0.3418



15.1358, 0.3241, 0.3213



10.1516, 0.5653, 0.2888



0.8143, 0.5263, 0.2673

Previews

White Background



This preview shows how the Yxy color 61.2800, 0.2561, 0.4420 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 61.2800, 0.2561, 0.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

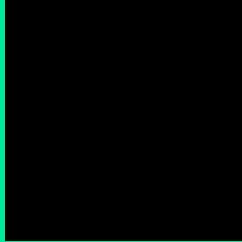
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.2800, 0.2561, 0.4420

Background



This preview shows how black text looks on a background with the Yxy color 61.2800, 0.2561, 0.4420.

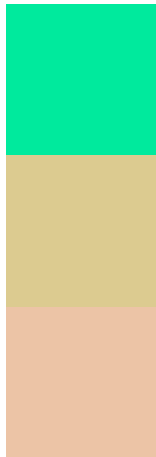


This preview shows how white text looks on a background with the Yxy color 61.2800, 0.2561, 0.4420.

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

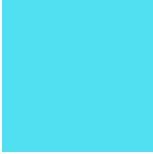
61.2800, 0.2561, 0.4420

Protanopia

59.9411, 0.3706, 0.3973

Deuteranopia

60.0659, 0.3694, 0.3624



Tritanopia

60.9355, 0.2289, 0.3045

Trichromacy



Original Color

61.2800, 0.2561, 0.4420



Protanomaly

55.8385, 0.3024, 0.4192



Deuteranomaly

55.2216, 0.3005, 0.3929



Tritanomaly

60.3714, 0.2361, 0.3507

Monochromacy



Original Color

61.2800, 0.2561, 0.4420



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

39.3339, 0.2690, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.2800, 0.2561, 0.4420 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, 234, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 157)  
}
```

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, 234, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 157) }
```

Border

The CSS property to change the border of an element to Yxy 61.2800, 0.2561, 0.4420 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, 234, 157) }
```

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

```
.border{ border-color:rgb(0, 234, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 61.2800, 0.2561, 0.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 157) }
```

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

```
.background{ background-color: rgb(0, 234,  
157) }
```

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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