

Converting Colors

$Y_{xy}(61.8702, 0.2375, 0.3749)$

Have a look what the booklet for
Yxy(61.8702, 0.2375, 0.3749)
contains.

Yxy(61.8367, 0.2375, 0.3750)	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(61.8367, 0.2375, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	00E8C7
RGB	0, 232, 199
RGB Percent	0%, 91%, 78%
CMY	1.0000, 0.0902, 0.2196
CMYK	1.00, 0.00, 0.14, 0.09
HSL	171°, 100%, 45%
HSV	171°, 100%, 91%
XYZ	39.1632, 61.8367, 63.8979
YIQ	158.8700, -127.6790, -59.4470

Conversions

Conversions Part 2

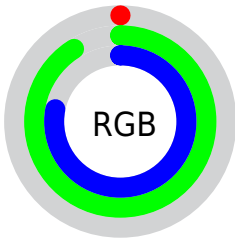
Format	Color
RYB	0, 125, 232
Decimal	59591
CIELab	82.83, -53.91, 2.95
CIELCh	83, 53.993, 176.873
Yxy	61.8367, 0.2375, 0.3750
Android (android.graphics.Color)	4278249671 (0xFF00E8C7)
YUV	158.8700, 19.7841, -139.3290
Hunter-Lab	78.6363, -48.7152, 6.8678

Details

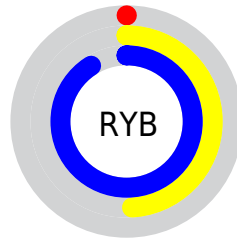
The Yxy color **61.8367, 0.2375, 0.3750** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **17.2667, 0.6234, 0.3208**, and the grayscale version is **34.5611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **32.7043, 0.2400, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **61.8396, 0.2375, 0.3750**, and if you desaturate by 10%, it is **62.1792, 0.2375, 0.3700**.

Distribution



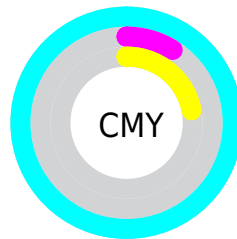
- Red (0%)
- Green (91%)
- Blue (78%)



- Red (0%)
- Yellow (49%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)




- Cyan (100%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8367, 0.2375, 0.3750 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 61.8367, 0.2375, 0.3750 by changing the saturation by 10% instead.


 61.8367, 0.2375,
0.3750


 61.8367, 0.2375,
0.3750

431.3352, 0.2731,
0.3529

 44.9008, 0.2292,
0.3802


 107.4895, 0.2500,
0.3672


 31.3793, 0.2189,
0.3868

 136.9751, 0.2548,
0.3642

 20.8878, 0.2058,
0.3952


 171.4128, 0.2589,
0.3616

 13.0420, 0.1886,
0.4064

 211.1868, 0.2625,
0.3594

 7.4575, 0.1651,
0.4220

 256.6817, 0.2657,
0.3575

 3.7498, 0.1317,
0.4450

308.2818, 0.2684,

 1.5346, 0.0113,

0.3558

0.5186

366.3715, 0.2709,
0.3543

■ 0.3129, 0.0000,
0.6989

■ 0.0000, 0.0000,
0.0000

■ 61.8367, 0.2375,
0.3750

■ 61.8367, 0.2375,
0.3750

■ 61.8396, 0.2375,
0.3750

■ 62.1792, 0.2375,
0.3700

■ 62.7432, 0.2390,
0.3650

■ 63.6021, 0.2425,
0.3599

■ 64.7968, 0.2479,
0.3549

66.3616, 0.2552,
0.3499

68.3269, 0.2642,
0.3452

70.7196, 0.2748,
0.3407

73.5644, 0.2866,
0.3365

76.8840, 0.2993,
0.3326

Harmonies

Analogous

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



61.8367, 0.2959, 0.4359



61.8367, 0.2375, 0.3750



61.8367, 0.2016, 0.3039

Triad

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



61.8367, 0.2375, 0.3750



61.8367, 0.2541, 0.2262



61.8367, 0.4480, 0.3856

Complementary

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



61.8367, 0.2375, 0.3750



17.2667, 0.6234, 0.3208

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.



61.8367, 0.4376, 0.3338



61.8367, 0.2375, 0.3750



61.8367, 0.3181, 0.2472

Square

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



61.8367, 0.2375, 0.3750



61.8367, 0.2109, 0.2265



61.8367, 0.3877, 0.2853



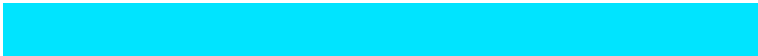
61.8367, 0.4186, 0.4314

Rectangle

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



61.8367, 0.2375, 0.3750



61.8367, 0.1928, 0.2662



61.8367, 0.3877, 0.2853



61.8367, 0.4493, 0.3684

Sweetspot

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



61.8396, 0.2375, 0.3750



87.5828, 0.2746, 0.3408



58.0703, 0.3037, 0.5970



18.4639, 0.2700, 0.3426



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.



61.8396, 0.2375, 0.3750



76.6194, 0.2376, 0.3753



27.8966, 0.1912, 0.2084



16.2993, 0.3000, 0.3324



34.3433, 0.2373, 0.3742



2.5476, 0.2352, 0.3669

Inverse Universe

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



17.2667, 0.6234, 0.3208



21.3891, 0.6242, 0.3212



23.0717, 0.5859, 0.3730



14.4012, 0.3270, 0.3257



9.5962, 0.6205, 0.3192



0.7197, 0.5859, 0.3001

Previews

White Background



This preview shows how the Yxy color 61.8367, 0.2375, 0.3750 looks on a white background.

Color Contrast Check

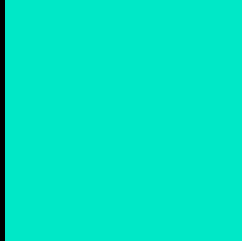
Large Text (above 18pt) WCAG AA × Fail

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 61.8367, 0.2375, 0.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

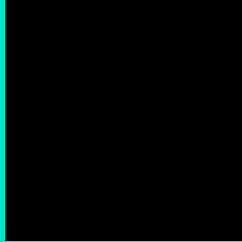
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

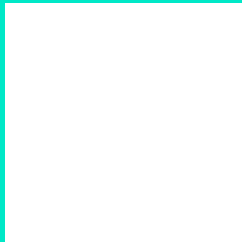
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.8367, 0.2375, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 61.8367, 0.2375, 0.3750.



This preview shows how white text looks on a background with the Yxy color 61.8367, 0.2375, 0.3750.

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

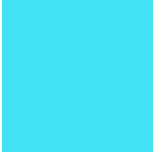
61.8367, 0.2375, 0.3750

Protanopia

60.7926, 0.3344, 0.3524

Deuteranopia

60.5324, 0.3266, 0.3201



Tritanopia

62.0144, 0.2250, 0.3058

Trichromacy



Original Color

61.8367, 0.2375, 0.3750



Protanomaly

57.0015, 0.2759, 0.3625



Deuteranomaly

56.1558, 0.2708, 0.3381



Tritanomaly

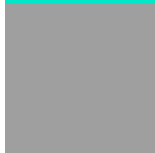
61.5597, 0.2278, 0.3288

Monochromacy



Original Color

61.8367, 0.2375, 0.3750



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.9405, 0.2594, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8367, 0.2375, 0.3750 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, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 199)  
}
```

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, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 199) }
```

Border

The CSS property to change the border of an element to Yxy 61.8367, 0.2375, 0.3750 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, 232, 199) }
```

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

```
.border{ border-color:rgb(0, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8367, 0.2375, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 199) }
```

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

```
.background{ background-color: rgb(0, 232,  
199) }
```

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