

Converting Colors

$Y_{xy}(67.3002, 0.2320, 0.3551)$

Have a look what the booklet for
Yxy(67.3002, 0.2320, 0.3551)
contains.

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Color

Yxy(67.4939, 0.2321, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	02F0DC
RGB	2, 240, 220
RGB Percent	1%, 94%, 86%
CMY	0.9912, 0.0589, 0.1372
CMYK	0.99, 0.00, 0.08, 0.06
HSL	175°, 98%, 47%
HSV	175°, 99%, 94%
XYZ	44.1029, 67.4939, 78.4199
YIQ	166.5580, -135.4280, -56.6760

Conversions

Conversions Part 2

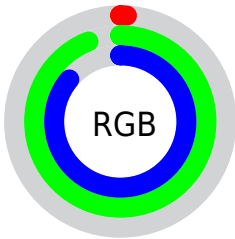
Format	Color
R_{YB}	2, 126, 240
Decimal	192732
CIE _{Lab}	85.75, -51.50, -3.84
CIE _{LCh}	86, 51.642, 184.263
Yxy	67.4939, 0.2321, 0.3552
Android (android.graphics.Color)	4278382812 (0xFF02F0DC)
YUV	166.5580, 26.3469, -144.3174
Hunter-Lab	82.1547, -47.9470, 0.9136

Details

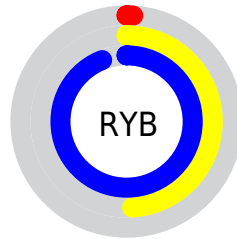
The Yxy color **67.4939, 0.2321, 0.3552** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.6308, 0.6312, 0.3257**, and the grayscale version is **38.3703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **36.5836, 0.2332, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **67.4720, 0.2321, 0.3555**, and if you desaturate by 10%, it is **67.8123, 0.2327, 0.3524**.

Distribution



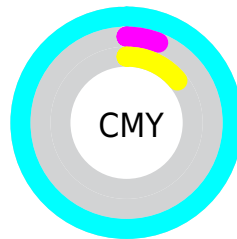
- Red (1%)
- Green (94%)
- Blue (86%)



- Red (1%)
- Yellow (49%)
- Blue (94%)



- Cyan (99%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)




- Cyan (99%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4939, 0.2321, 0.3552 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 67.4939, 0.2321, 0.3552 by changing the saturation by 10% instead.


 67.4939, 0.2321,
0.3552

 67.4939, 0.2321,
0.3552

451.7008, 0.2692,
0.3435


 49.4861, 0.2237,
0.3577

 115.6278, 0.2449,
0.3513


 35.0052, 0.2135,
0.3608


 146.5228, 0.2499,
0.3497


 23.6669, 0.2006,
0.3645


 182.4822, 0.2542,
0.3483

 15.0867, 0.1840,
0.3691

 223.8905, 0.2580,
0.3471

 8.8803, 0.1621,
0.3748

 271.1322, 0.2613,
0.3461

 4.6632, 0.1321,
0.3819

324.5915, 0.2642,

 2.0510, 0.0772,

0.3451

0.3953

384.6529, 0.2669,
0.3443

■ 0.6369, 0.0000,
0.3984

■ 0.0000, 0.0000,
0.0000

■ 67.4939, 0.2321,
0.3552

■ 67.4939, 0.2321,
0.3552

■ 67.4720, 0.2321,
0.3555

■ 67.8123, 0.2327,
0.3524

■ 68.3825, 0.2348,
0.3495

■ 69.2737, 0.2388,
0.3466

■ 70.5296, 0.2448,
0.3437

■ 72.1872, 0.2527,
0.3409

■ 74.2789, 0.2624,
0.3382

■ 76.8338, 0.2737,
0.3356

■ 79.8785, 0.2862,
0.3331

■ 83.4374, 0.2998,
0.3309

Harmonies

Analogous

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



67.4939, 0.2827, 0.4164



67.4939, 0.2321, 0.3552



67.4939, 0.2042, 0.2921

Triad

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



67.4939, 0.2321, 0.3552



67.4939, 0.2715, 0.2356



67.4939, 0.4353, 0.3943

Complementary

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



67.4939, 0.2321, 0.3552



18.6308, 0.6312, 0.3257

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.



67.4939, 0.4348, 0.3463



67.4939, 0.2321, 0.3552



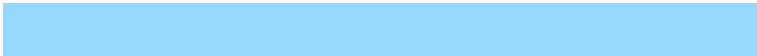
67.4939, 0.3342, 0.2599

Square

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



67.4939, 0.2321, 0.3552



67.4939, 0.2252, 0.2308



67.4939, 0.3964, 0.2990



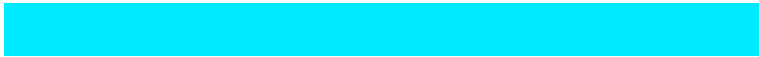
67.4939, 0.4008, 0.4330

Rectangle

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



67.4939, 0.2321, 0.3552



67.4939, 0.2000, 0.2605



67.4939, 0.3964, 0.2990



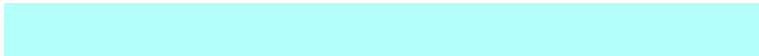
67.4939, 0.4395, 0.3787

Sweetspot

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



67.4965, 0.2321, 0.3552



87.8571, 0.2724, 0.3358



62.5388, 0.3020, 0.5979



18.5304, 0.2676, 0.3369



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.



67.4965, 0.2321, 0.3552



77.4359, 0.2321, 0.3556



26.5221, 0.1866, 0.1914



17.9047, 0.2992, 0.3310



36.9486, 0.2320, 0.3550



3.0805, 0.2309, 0.3512

Inverse Universe

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



18.6308, 0.6312, 0.3257



21.3157, 0.6331, 0.3261



27.1406, 0.5703, 0.3846



15.7804, 0.3280, 0.3270



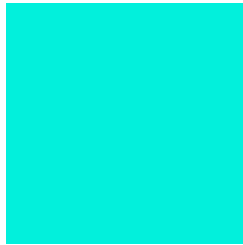
10.1767, 0.6308, 0.3248



0.8540, 0.6092, 0.3129

Previews

White Background



This preview shows how the Yxy color 67.4939, 0.2321, 0.3552 looks on a white background.

Color Contrast Check

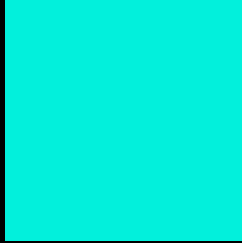
Large Text (above 18pt) WCAG AA × Fail

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 67.4939, 0.2321, 0.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

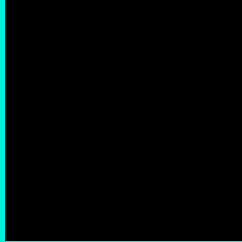
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.4939, 0.2321, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 67.4939, 0.2321, 0.3552.

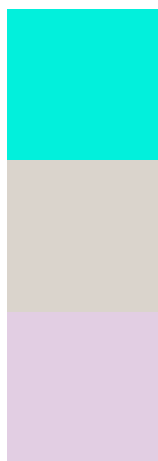


This preview shows how white text looks on a background with the Yxy color 67.4939, 0.2321, 0.3552.

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

67.5004, 0.2321, 0.3552

Protanopia

66.3520, 0.3227, 0.3380

Deuteranopia

65.8574, 0.3130, 0.3063



Tritanopia

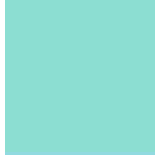
67.5022, 0.2234, 0.3053

Trichromacy



Original Color

67.5004, 0.2321, 0.3552



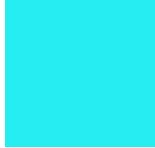
Protanomaly

62.4711, 0.2676, 0.3442



Deuteranomaly

61.5444, 0.2622, 0.3214



Tritanomaly

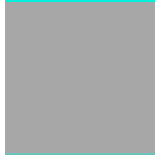
67.3912, 0.2254, 0.3224

Monochromacy



Original Color

67.5004, 0.2321, 0.3552



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.2545, 0.2576, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4939, 0.2321, 0.3552 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(2, 240, 220)` looks like.

```
.text, #text, p{  
    color:rgb(2, 240, 220)  
}
```

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(2, 240, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 240, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.4939, 0.2321, 0.3552 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(2, 240, 220) }
```

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

```
.border{ border-color:rgb(2, 240, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 240, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 240, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 240, 220);  
box-shadow:4px 4px 4px 4px rgb(2, 240,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4939, 0.2321, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 240, 220) }
```

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

```
.background{ background-color: rgb(2, 240,  
220) }
```

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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