

Converting Colors

$Y_{xy}(75.6265, 0.2336, 0.3564)$

Have a look what the booklet for
Yxy(75.6265, 0.2336, 0.3564)
contains.

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Color

Yxy(75.5407, 0.2336, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	19FCE6
RGB	25, 252, 230
RGB Percent	10%, 99%, 90%
CMY	0.9016, 0.0118, 0.0979
CMYK	0.90, 0.00, 0.09, 0.01
HSL	174°, 97%, 54%
HSV	174°, 90%, 99%
XYZ	49.4988, 75.5407, 86.8559
YIQ	181.6190, -128.2300, -54.9660

Conversions

Conversions Part 2

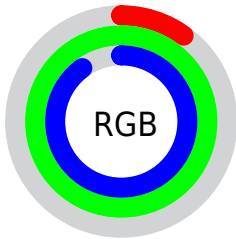
Format	Color
R _Y B	25, 144, 252
Decimal	1703142
CIE Lab	89.65, -53.10, -3.34
CIE LCh	90, 53.200, 183.597
Yxy	75.5407, 0.2336, 0.3565
Android (android.graphics.Color)	4279893222 (0xFF19FCE6)
YUV	181.6190, 23.8518, -137.3549
Hunter-Lab	86.9142, -50.4417, 1.5896

Details

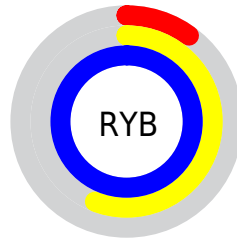
The Yxy color **75.5407, 0.2336, 0.3565** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.6008, 0.6092, 0.3209**, and the grayscale version is **46.5002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **41.6787, 0.2332, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **75.2000, 0.2333, 0.3598**, and if you desaturate by 10%, it is **76.1595, 0.2354, 0.3532**.

Distribution



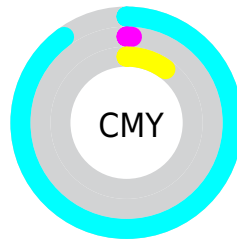
- Red (10%)
- Green (99%)
- Blue (90%)



- Red (10%)
- Yellow (56%)
- Blue (99%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)




- Cyan (90%)
- Magenta (1%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5407, 0.2336, 0.3565 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 75.5407, 0.2336, 0.3565 by changing the saturation by 10% instead.


 75.5407, 0.2336,
0.3565


 75.5407, 0.2336,
0.3565


479.7740, 0.2693,
0.3444

 56.0560, 0.2257,
0.3591


 127.0775, 0.2458,
0.3524

 40.2478, 0.2161,
0.3622


 159.8983, 0.2506,
0.3508

 27.7318, 0.2041,
0.3660


 197.9332, 0.2548,
0.3494

 18.1236, 0.1889,
0.3707

 241.5667, 0.2584,
0.3482

 11.0388, 0.1690,
0.3766

291.1831, 0.2616,
0.3471

 6.0929, 0.1421,
0.3841


347.1669, 0.2645,

 2.9017, 0.1045,

0.3461

0.3934


409.9024, 0.2670,
0.3452


 1.0806, 0.0000,
0.4247


 0.0000, 0.0000,
0.0000


 75.5407, 0.2336,
0.3565


 75.5407, 0.2336,
0.3565

 75.2000, 0.2333,
0.3598

 76.1595, 0.2354,
0.3532


 77.1298, 0.2392,
0.3498


 78.5051, 0.2448,
0.3464


 80.3276, 0.2525,
0.3431

 82.6343, 0.2619,
0.3400

 85.4584, 0.2729,
0.3369

 88.8300, 0.2852,
0.3341

 92.7769, 0.2986,
0.3314

 97.3253, 0.3127,
0.3290

Harmonies

Analogous

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



75.5407, 0.2843, 0.4167



75.5407, 0.2336, 0.3565



75.5407, 0.2053, 0.2936

Triad

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



75.5407, 0.2336, 0.3565



75.5407, 0.2705, 0.2359



75.5407, 0.4348, 0.3930

Complementary

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



75.5407, 0.2336, 0.3565



21.6008, 0.6092, 0.3209

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.



75.5407, 0.4334, 0.3451



75.5407, 0.2336, 0.3565



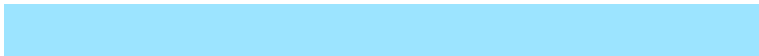
75.5407, 0.3326, 0.2596

Square

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



75.5407, 0.2336, 0.3565



75.5407, 0.2250, 0.2316



75.5407, 0.3946, 0.2982



75.5407, 0.4013, 0.4316

Rectangle

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



75.5407, 0.2336, 0.3565



75.5407, 0.2007, 0.2619



75.5407, 0.3946, 0.2982



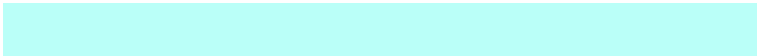
75.5407, 0.4386, 0.3774

Sweetspot

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



75.5436, 0.2336, 0.3565



88.7759, 0.2765, 0.3360



70.3147, 0.3039, 0.5904



18.7639, 0.2724, 0.3370



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.



75.5436, 0.2336, 0.3565



77.2506, 0.2333, 0.3598



32.8100, 0.1918, 0.2046



19.5779, 0.2993, 0.3313



39.1848, 0.2331, 0.3592



3.6374, 0.2320, 0.3553

Inverse Universe

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



21.6008, 0.6092, 0.3209



21.3289, 0.6315, 0.3252



33.2247, 0.5499, 0.3924



17.2525, 0.3279, 0.3267



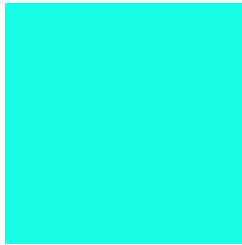
10.8251, 0.6292, 0.3240



1.0114, 0.6074, 0.3120

Previews

White Background



This preview shows how the Yxy color 75.5407, 0.2336, 0.3565 looks on a white background.

Color Contrast Check

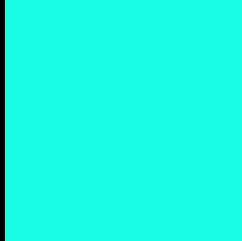
Large Text (above 18pt) WCAG AA × Fail

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 75.5407, 0.2336, 0.3565 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 75.5407, 0.2336, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 75.5407, 0.2336, 0.3565.

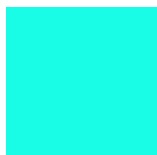


This preview shows how white text looks on a background with the Yxy color 75.5407, 0.2336, 0.3565.

Color Blindness Simulation

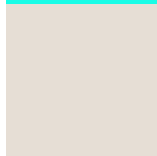
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



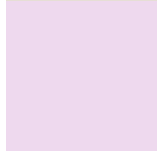
Original Color

75.5407, 0.2336, 0.3565



Protanopia

73.8696, 0.3244, 0.3387



Deuteranopia

73.9759, 0.3137, 0.3074



Tritanopia

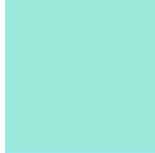
74.7744, 0.2473, 0.3115

Trichromacy



Original Color

75.5407, 0.2336, 0.3565



Protanomaly

70.3609, 0.2725, 0.3458



Deuteranomaly

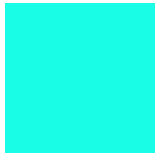
70.1689, 0.2669, 0.3230



Tritanomaly

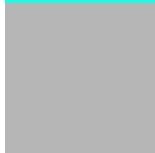
73.8420, 0.2378, 0.3264

Monochromacy



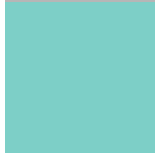
Original Color

75.5407, 0.2336, 0.3565



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.1091, 0.2628, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5407, 0.2336, 0.3565 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(25, 252, 230)` looks like.

```
.text, #text, p{  
    color:rgb(25, 252, 230)  
}
```

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(25, 252, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 252, 230) }
```

Border

The CSS property to change the border of an element to Yxy 75.5407, 0.2336, 0.3565 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(25, 252, 230) }
```

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

```
.border{ border-color:rgb(25, 252, 230) }
```

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

Here you see how a box with a 4 pixel rgb(25, 252, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 252, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 252, 230);  
box-shadow:4px 4px 4px 4px rgb(25, 252,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5407, 0.2336, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 252, 230) }
```

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

```
.background{ background-color: rgb(25, 252,  
230) }
```

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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