

Converting Colors

$Y_{xy}(77.6159, 0.2318, 0.3530)$

Have a look what the booklet for
Yxy(77.6159, 0.2318, 0.3530)
contains.

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Color

Yxy(77.6473, 0.2316, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	0AFFEC
RGB	10, 255, 236
RGB Percent	4%, 100%, 93%
CMY	0.9603, 0.0000, 0.0745
CMYK	0.96, 0.00, 0.07, 0.00
HSL	175°, 100%, 52%
HSV	175°, 96%, 100%
XYZ	51.0304, 77.6473, 91.6608
YIQ	179.5790, -139.9210, -57.8490

Conversions

Conversions Part 2

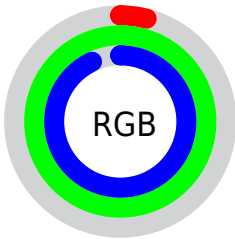
Format	Color
RYB	10, 137, 255
Decimal	720876
CIELab	90.62, -53.18, -5.02
CIELCh	91, 53.419, 185.391
Yxy	77.6473, 0.2316, 0.3524
Android (android.graphics.Color)	4278910956 (0xFF0AFFEC)
YUV	179.5790, 27.8156, -148.7208
Hunter-Lab	88.1177, -50.8337, 0.0084

Details

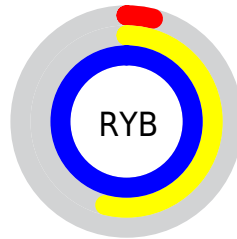
The Yxy color **77.6473, 0.2316, 0.3524** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.5693, 0.6272, 0.3254**, and the grayscale version is **45.3320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **43.2278, 0.2322, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **77.5311, 0.2315, 0.3534**, and if you desaturate by 10%, it is **78.0608, 0.2326, 0.3498**.

Distribution



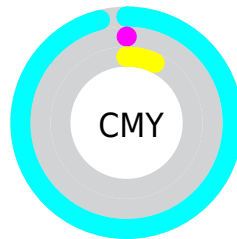
- Red (4%)
- Green (100%)
- Blue (93%)



- Red (4%)
- Yellow (54%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6473, 0.2316, 0.3524 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 77.6473, 0.2316, 0.3524 by changing the saturation by 10% instead.


 77.6473, 0.2316,
0.3524

 77.6473, 0.2316,
0.3524


486.9682, 0.2679,
0.3424


 57.7843, 0.2236,
0.3545


 130.0528, 0.2440,
0.3491


 41.6353, 0.2139,
0.3569


 163.3641, 0.2488,
0.3478

 28.8158, 0.2020,
0.3598


 201.9269, 0.2531,
0.3466

 18.9415, 0.1868,
0.3634

 246.1257, 0.2568,
0.3456

 11.6280, 0.1671,
0.3676

296.3448, 0.2601,
0.3447

 6.4909, 0.1408,
0.3726


352.9687, 0.2630,


 3.1458, 0.1047,

0.3438

0.3778


416.3817, 0.2656,
0.3431

 1.2083, 0.0000,
0.4022

 0.0685, 0.0000,
0.1387


 77.6473, 0.2316,
0.3524

 77.6473, 0.2316,
0.3524


 77.5311, 0.2315,
0.3534

 78.0608, 0.2326,
0.3498


 78.8056, 0.2353,
0.3471


 79.9361, 0.2399,
0.3445

 81.5004, 0.2465,
0.3418

 83.5397, 0.2550,
0.3392

 86.0903, 0.2653,
0.3367

 89.1851, 0.2770,
0.3344

 92.8539, 0.2900,
0.3322

 97.1248, 0.3040,
0.3301

Harmonies

Analogous

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



77.6473, 0.2810, 0.4133



77.6473, 0.2316, 0.3524



77.6473, 0.2049, 0.2906

Triad

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



77.6473, 0.2316, 0.3524



77.6473, 0.2741, 0.2372



77.6473, 0.4331, 0.3954

Complementary

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



77.6473, 0.2316, 0.3524



21.5693, 0.6272, 0.3254

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.



77.6473, 0.4340, 0.3480



77.6473, 0.2316, 0.3524



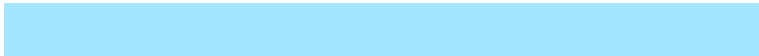
77.6473, 0.3364, 0.2619

Square

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



77.6473, 0.2316, 0.3524



77.6473, 0.2275, 0.2317



77.6473, 0.3974, 0.3010



77.6473, 0.3980, 0.4328

Rectangle

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



77.6473, 0.2316, 0.3524



77.6473, 0.2013, 0.2600



77.6473, 0.3974, 0.3010



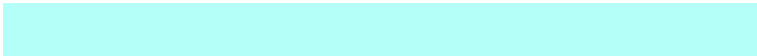
77.6473, 0.4376, 0.3801

Sweetspot

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



77.6421, 0.2316, 0.3524



88.2059, 0.2734, 0.3351



71.8264, 0.3020, 0.5964



18.5978, 0.2684, 0.3361



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.



77.6421, 0.2316, 0.3524



77.5311, 0.2315, 0.3534



30.0589, 0.1866, 0.1897



20.4557, 0.2990, 0.3308



40.5219, 0.2314, 0.3530



3.9524, 0.2306, 0.3500

Inverse Universe

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



21.5693, 0.6272, 0.3254



21.3097, 0.6339, 0.3265



32.9063, 0.5596, 0.3909



18.0099, 0.3282, 0.3272



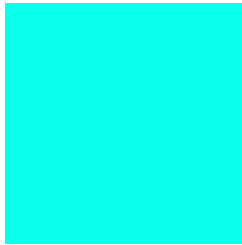
11.1428, 0.6320, 0.3255



1.0925, 0.6145, 0.3159

Previews

White Background



This preview shows how the Yxy color 77.6473, 0.2316, 0.3524 looks on a white background.

Color Contrast Check

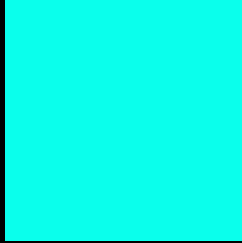
Large Text (above 18pt) WCAG AA × Fail

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 77.6473, 0.2316, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

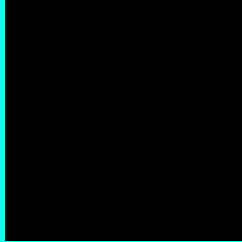
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

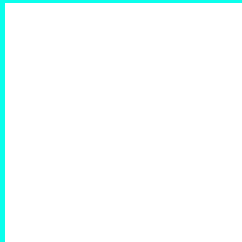
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6473, 0.2316, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 77.6473, 0.2316, 0.3524.

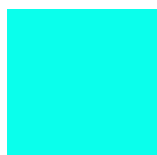


This preview shows how white text looks on a background with the Yxy color 77.6473, 0.2316, 0.3524.

Color Blindness Simulation

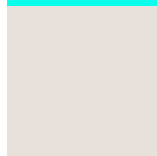
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



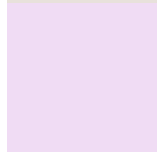
Original Color

77.6407, 0.2316, 0.3524



Protanopia

76.1207, 0.3216, 0.3354



Deuteranopia

76.2433, 0.3111, 0.3046



Tritanopia

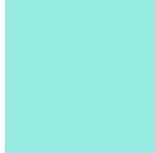
76.6146, 0.2536, 0.3129

Trichromacy



Original Color

77.6407, 0.2316, 0.3524



Protanomaly

72.0065, 0.2677, 0.3420



Deuteranomaly

71.6966, 0.2617, 0.3195



Tritanomaly

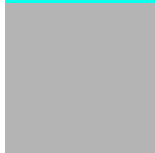
75.3415, 0.2385, 0.3264

Monochromacy



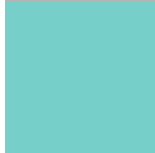
Original Color

77.6407, 0.2316, 0.3524



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.6473, 0.2585, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6473, 0.2316, 0.3524 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(10, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(10, 255, 236)  
}
```

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(10, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 77.6473, 0.2316, 0.3524 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(10, 255, 236) }
```

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

```
.border{ border-color:rgb(10, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(10, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6473, 0.2316, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 255, 236) }
```

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

```
.background{ background-color: rgb(10, 255,  
236) }
```

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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