

Converting Colors

$Y_{xy}(74.9014, 0.2239, 0.3208)$

Have a look what the booklet for
Yxy(74.9014, 0.2239, 0.3208)
contains.

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Color

Yxy(74.6308, 0.2238, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	1EF8FF
RGB	30, 248, 255
RGB Percent	12%, 97%, 100%
CMY	0.8810, 0.0275, 0.0000
CMYK	0.88, 0.03, 0.00, 0.00
HSL	182°, 100%, 56%
HSV	182°, 88%, 100%
XYZ	52.1623, 74.6308, 106.2825
YIQ	183.6160, -132.1750, -44.0390

Conversions

Conversions Part 2

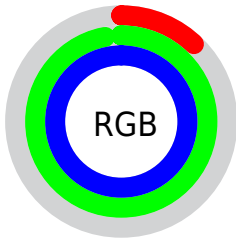
Format	Color
R _Y B	30, 141, 255
Decimal	2029823
CIE Lab	89.22, -44.17, -16.98
CIE LCh	89, 47.322, 201.030
Yxy	74.6308, 0.2238, 0.3202
Android (android.graphics.Color)	4280219903 (0xFF1EF8FF)
YUV	183.6160, 35.1923, -134.7212
Hunter-Lab	86.3891, -43.4015, -12.4707

Details

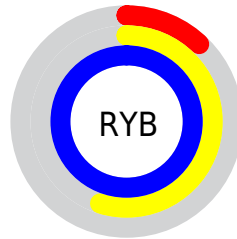
The Yxy color **74.6308, 0.2238, 0.3202** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.7001, 0.6175, 0.3325**, and the grayscale version is **47.6232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **41.3388, 0.2216, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **73.8942, 0.2222, 0.3192**, and if you desaturate by 10%, it is **75.6770, 0.2270, 0.3213**.

Distribution



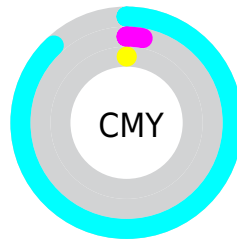
- Red (12%)
- Green (97%)
- Blue (100%)



- Red (12%)
- Yellow (55%)
- Blue (100%)



- Cyan (88%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6308, 0.2238, 0.3202 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 74.6308, 0.2238, 0.3202 by changing the saturation by 10% instead.

 74.6308, 0.2238,
0.3202


 74.6308, 0.2238,
0.3202


476.6476, 0.2633,
0.3257


 55.3105, 0.2152,
0.3186


 125.7896, 0.2372,
0.3224

 39.6504, 0.2049,
0.3166


 158.3969, 0.2424,
0.3231

 27.2660, 0.1922,
0.3137

 196.2019, 0.2471,
0.3237

 17.7731, 0.1762,
0.3096

 239.5892, 0.2511,
0.3243

 10.7872, 0.1558,
0.3035

288.9429, 0.2547,
0.3247

 5.9239, 0.1291,
0.2936

344.6477, 0.2579,

 2.7989, 0.0936,

0.3251

0.2762

407.0878, 0.2607,
0.3254

■ 1.0277, 0.0000,
0.2546

■ 0.0000, 0.0000,
0.0000

■ 74.6308, 0.2238,
0.3202

■ 74.6308, 0.2238,
0.3202

■ 73.8942, 0.2222,
0.3192

■ 75.6770, 0.2270,
0.3213

■ 73.7706, 0.2220,
0.3190

■ 77.0973, 0.2322,
0.3223

■ 78.9430, 0.2392,
0.3234

■ 81.2563, 0.2482,
0.3245

84.0745, 0.2591,
0.3255

87.4310, 0.2715,
0.3265

91.3565, 0.2853,
0.3274

95.8791, 0.3001,
0.3283

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



74.6308, 0.2591, 0.3778



74.6308, 0.2238, 0.3202



74.6308, 0.2113, 0.2725

Triad

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



74.6308, 0.2238, 0.3202



74.6308, 0.3065, 0.2552



74.6308, 0.4084, 0.4093

Complementary

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



74.6308, 0.2238, 0.3202



22.7001, 0.6175, 0.3325

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.



74.6308, 0.4257, 0.3701



74.6308, 0.2238, 0.3202



74.6308, 0.3642, 0.2855

Square

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



74.6308, 0.2238, 0.3202



74.6308, 0.2554, 0.2407



74.6308, 0.4096, 0.3261



74.6308, 0.3655, 0.4312

Rectangle

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



74.6308, 0.2238, 0.3202



74.6308, 0.2160, 0.2521



74.6308, 0.4096, 0.3261



74.6308, 0.4175, 0.3975

Sweetspot

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



74.6320, 0.2238, 0.3202



88.2083, 0.2743, 0.3267



71.9171, 0.3000, 0.5896



18.6090, 0.2697, 0.3264



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.



74.6320, 0.2238, 0.3202



73.7706, 0.2220, 0.3190



25.9444, 0.1831, 0.1708



20.3785, 0.2980, 0.3282



38.5902, 0.2220, 0.3192



3.7867, 0.2223, 0.3204

Inverse Universe

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



28.9826, 0.3278, 0.1620



27.9783, 0.3290, 0.1586



42.0408, 0.5157, 0.4183



18.2900, 0.3143, 0.3063



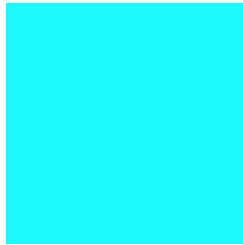
14.6237, 0.3289, 0.1585



1.4268, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 74.6308, 0.2238, 0.3202 looks on a white background.

Color Contrast Check

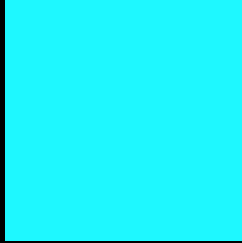
Large Text (above 18pt) WCAG AA × Fail

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 74.6308, 0.2238, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

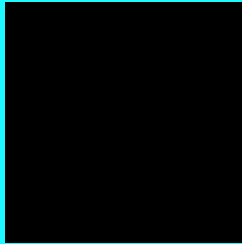
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

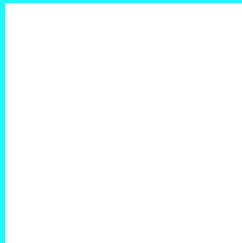
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.6308, 0.2238, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 74.6308, 0.2238, 0.3202.

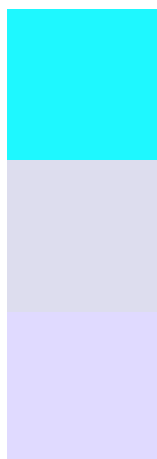


This preview shows how white text looks on a background with the Yxy color 74.6308, 0.2238, 0.3202.

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

74.6308, 0.2238, 0.3202

Protanopia

73.2581, 0.3018, 0.3109

Deuteranopia

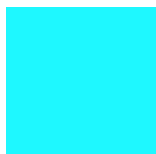
73.2101, 0.2932, 0.2906



Tritanopia

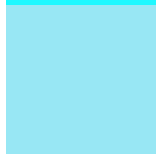
74.1294, 0.2441, 0.3113

Trichromacy



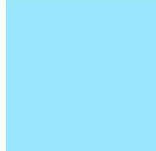
Original Color

74.6308, 0.2238, 0.3202



Protanomaly

70.3589, 0.2579, 0.3136



Deuteranomaly

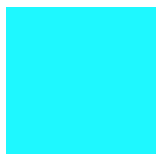
70.1286, 0.2532, 0.2990



Tritanomaly

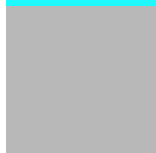
73.5965, 0.2329, 0.3144

Monochromacy



Original Color

74.6308, 0.2238, 0.3202



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

53.8680, 0.2584, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6308, 0.2238, 0.3202 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(30, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(30, 248, 255)  
}
```

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(30, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.6308, 0.2238, 0.3202 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(30, 248, 255) }
```

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

```
.border{ border-color:rgb(30, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6308, 0.2238, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 248, 255) }
```

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

```
.background{ background-color: rgb(30, 248,  
255) }
```

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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