

Converting Colors

$Y_{xy}(75.7008, 0.2285, 0.2833)$

Have a look what the booklet for
Yxy(75.7008, 0.2285, 0.2833)
contains.

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Color

Yxy(73.6413, 0.2388, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	71F1FF
RGB	113, 241, 255
RGB Percent	44%, 95%, 100%
CMY	0.5571, 0.0549, 0.0000
CMYK	0.56, 0.05, 0.00, 0.00
HSL	186°, 100%, 72%
HSV	186°, 56%, 100%
XYZ	56.3098, 73.6413, 105.8520
YIQ	204.3240, -80.7820, -22.7820

Conversions

Conversions Part 2

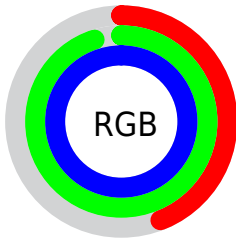
Format	Color
R_{YB}	113, 180, 255
Decimal	7467519
CIE _{Lab}	88.75, -31.58, -17.52
CIE _{LCh}	89, 36.116, 209.017
Yxy	73.6413, 0.2388, 0.3123
Android (android.graphics.Color)	4285657599 (0xFF71F1FF)
YUV	204.3240, 24.9833, -80.0911
Hunter-Lab	85.8145, -33.0472, -13.0639

Details

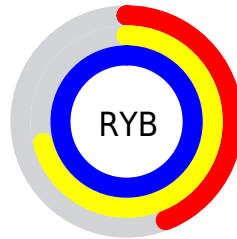
The Yxy color **73.6413, 0.2388, 0.3123** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.6145, 0.4728, 0.3433**, and the grayscale version is **60.4702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **39.1872, 0.2231, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **70.7080, 0.2304, 0.3089**, and if you desaturate by 10%, it is **77.0756, 0.2491, 0.3157**.

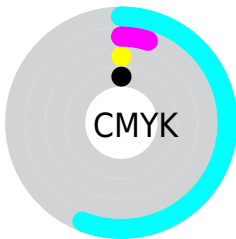
Distribution



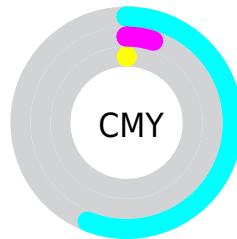
- Red (44%)
- Green (95%)
- Blue (100%)



- Red (44%)
- Yellow (71%)
- Blue (100%)



- Cyan (56%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6413, 0.2388, 0.3123 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 73.6413, 0.2388, 0.3123 by changing the saturation by 10% instead.

 73.6413, 0.2388,
0.3123


 73.6413, 0.2388,
0.3123


473.2345, 0.2719,
0.3210


 54.5005, 0.2315,
0.3101


 124.3872, 0.2501,
0.3155

 39.0020, 0.2227,
0.3073


 156.7611, 0.2545,
0.3167

 26.7612, 0.2118,
0.3036


 194.3148, 0.2584,
0.3177

 17.3940, 0.1980,
0.2986

237.4327, 0.2618,
0.3185

 10.5158, 0.1800,
0.2914

286.4992, 0.2647,
0.3193

 5.7423, 0.1558,
0.2803

341.8988, 0.2674,

 2.6890, 0.1224,

0.3199

0.2620

404.0157, 0.2698,
0.3205

■ 0.9716, 0.0367,
0.2375

■ 0.0000, 0.0000,
0.0000

■ 73.6413, 0.2388,
0.3123

■ 73.6413, 0.2388,
0.3123

■ 70.7080, 0.2304,
0.3089

■ 77.0756, 0.2491,
0.3157

■ 68.2263, 0.2239,
0.3054

■ 81.0387, 0.2610,
0.3189

■ 66.1511, 0.2194,
0.3020

■ 85.5664, 0.2743,
0.3220

■ 64.4231, 0.2167,
0.2986

■ 90.6885, 0.2887,
0.3249

■ 63.7505, 0.2159,
0.2972

■ 96.4331, 0.3038,
0.3276

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



73.6413, 0.2627, 0.3549



73.6413, 0.2388, 0.3123



73.6413, 0.2335, 0.2787

Triad

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



73.6413, 0.2388, 0.3123



73.6413, 0.3203, 0.2762



73.6413, 0.3799, 0.3981

Complementary

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



73.6413, 0.2388, 0.3123



37.6145, 0.4728, 0.3433

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.



73.6413, 0.3985, 0.3715



73.6413, 0.2388, 0.3123



73.6413, 0.3631, 0.3033

Square

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



73.6413, 0.2388, 0.3123



73.6413, 0.2781, 0.2610



73.6413, 0.3925, 0.3372



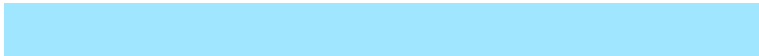
73.6413, 0.3437, 0.4072

Rectangle

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



73.6413, 0.2388, 0.3123



73.6413, 0.2406, 0.2651



73.6413, 0.3925, 0.3372



73.6413, 0.3885, 0.3907

Sweetspot

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



73.6441, 0.2388, 0.3123



89.9914, 0.2868, 0.3245



76.5022, 0.2995, 0.4954



19.0345, 0.2838, 0.3240



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

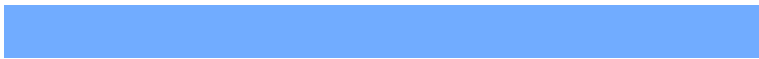
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6441, 0.2388, 0.3123



70.3625, 0.2294, 0.3084



40.2852, 0.2199, 0.2235



20.1576, 0.2980, 0.3266



33.4361, 0.2160, 0.2977



3.3405, 0.2171, 0.3016

Inverse Universe

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



39.4109, 0.3318, 0.2075



33.8073, 0.3363, 0.1898



61.8465, 0.4263, 0.4125



18.2677, 0.3153, 0.3078



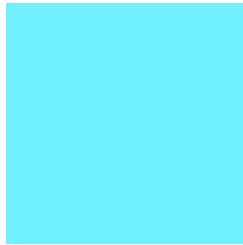
14.1034, 0.3474, 0.1688



1.3818, 0.3440, 0.1669

Previews

White Background



This preview shows how the Yxy color 73.6413, 0.2388, 0.3123 looks on a white background.

Color Contrast Check

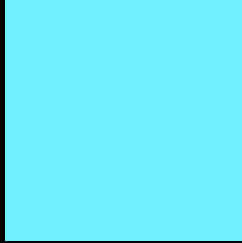
Large Text (above 18pt) WCAG AA × Fail

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 73.6413, 0.2388, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

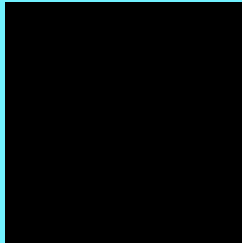
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.6413, 0.2388, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 73.6413, 0.2388, 0.3123.

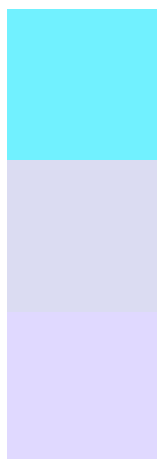


This preview shows how white text looks on a background with the Yxy color 73.6413, 0.2388, 0.3123.

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

73.6413, 0.2388, 0.3123

Protanopia

72.6573, 0.2979, 0.3056

Deuteranopia

72.6930, 0.2932, 0.2895



Tritanopia

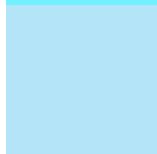
73.5200, 0.2464, 0.3091

Trichromacy



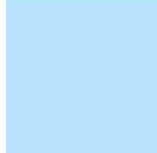
Original Color

73.6413, 0.2388, 0.3123



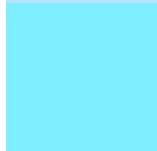
Protanomaly

71.9055, 0.2710, 0.3076



Deuteranomaly

71.8031, 0.2688, 0.2969



Tritanomaly

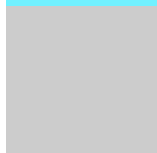
73.4650, 0.2434, 0.3101

Monochromacy



Original Color

73.6413, 0.2388, 0.3123



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.6113, 0.2778, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6413, 0.2388, 0.3123 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(113, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 241, 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(113, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.6413, 0.2388, 0.3123 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(113, 241, 255) }
```

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

```
.border{ border-color:rgb(113, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6413, 0.2388, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 241, 255) }
```

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

```
.background{ background-color: rgb(113,  
241, 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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