

Converting Colors

$Y_{xy}(75.6239, 0.2265, 0.2745)$

Have a look what the booklet for
Yxy(75.6239, 0.2265, 0.2745)
contains.

Yxy(73.2532, 0.2396, 0.3111)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.2532, 0.2396, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	74F0FF
RGB	116, 240, 255
RGB Percent	45%, 94%, 100%
CMY	0.5450, 0.0588, 0.0000
CMYK	0.55, 0.06, 0.00, 0.00
HSL	186°, 100%, 73%
HSV	186°, 55%, 100%
XYZ	56.4174, 73.2532, 105.7945
YIQ	204.6340, -78.7190, -21.6230

Conversions

Conversions Part 2

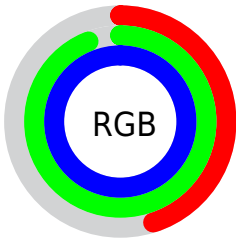
Format	Color
RYB	116, 182, 255
Decimal	7663871
CIELab	88.57, -30.52, -17.80
CIELCh	89, 35.332, 210.252
Yxy	73.2532, 0.2396, 0.3111
Android (android.graphics.Color)	4285853951 (0xFF74F0FF)
YUV	204.6340, 24.8304, -77.7320
Hunter-Lab	85.5881, -32.1166, -13.3761

Details

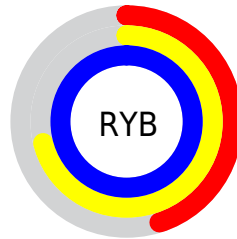
The Yxy color **73.2532, 0.2396, 0.3111** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.7608, 0.4667, 0.3445**, and the grayscale version is **60.6867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **38.8937, 0.2239, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **70.1313, 0.2308, 0.3074**, and if you desaturate by 10%, it is **76.8813, 0.2502, 0.3148**.

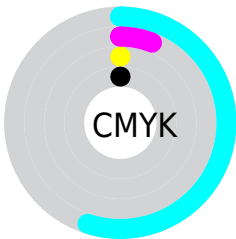
Distribution



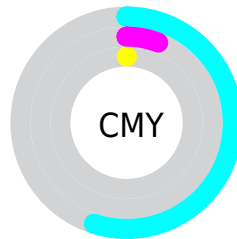
- Red (45%)
- Green (94%)
- Blue (100%)



- Red (45%)
- Yellow (71%)
- Blue (100%)



- Cyan (55%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2532, 0.2396, 0.3111 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 73.2532, 0.2396, 0.3111 by changing the saturation by 10% instead.


 73.2532, 0.2396,
0.3111


 73.2532, 0.2396,
0.3111

471.8919, 0.2724,
0.3203

 54.1830, 0.2324,
0.3088

 123.8366, 0.2508,
0.3145

 38.7480, 0.2236,
0.3059


 156.1186, 0.2552,
0.3157

 26.5637, 0.2128,
0.3020


 193.5733, 0.2590,
0.3168

 17.2459, 0.1991,
0.2967

236.5852, 0.2623,
0.3177

 10.4099, 0.1812,
0.2892

285.5386, 0.2653,
0.3185

 5.6716, 0.1571,
0.2778

340.8179, 0.2679,

 2.6464, 0.1237,

0.3192

0.2589

402.8076, 0.2703,
0.3198

0.9501, 0.0385,
0.2334

0.0000, 0.0000,
0.0000

73.2532, 0.2396,
0.3111

73.2532, 0.2396,
0.3111

70.1313, 0.2308,
0.3074

76.8813, 0.2502,
0.3148

67.4721, 0.2240,
0.3036

81.0483, 0.2624,
0.3184

65.2296, 0.2192,
0.2998

85.7875, 0.2759,
0.3217

63.3463, 0.2161,
0.2960

91.1290, 0.2904,
0.3249

■ 62.4187, 0.2150,
0.2940

■ 97.1002, 0.3057,
0.3278

100.0000, 0.3127,
0.3290

Harmonies

Analogous

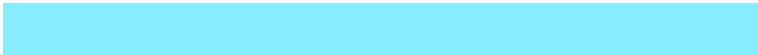
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2532, 0.2624, 0.3527



73.2532, 0.2396, 0.3111



73.2532, 0.2352, 0.2787

Triad

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



73.2532, 0.2396, 0.3111



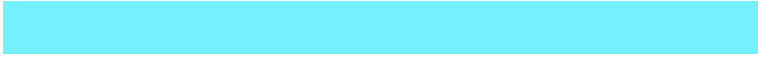
73.2532, 0.3220, 0.2781



73.2532, 0.3775, 0.3975

Complementary

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



73.2532, 0.2396, 0.3111



38.7608, 0.4667, 0.3445

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.



73.2532, 0.3965, 0.3720



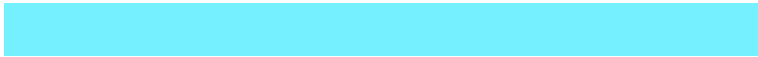
73.2532, 0.2396, 0.3111



73.2532, 0.3636, 0.3051

Square

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



73.2532, 0.2396, 0.3111



73.2532, 0.2803, 0.2626



73.2532, 0.3916, 0.3385



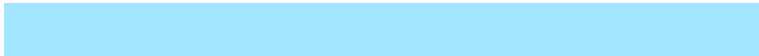
73.2532, 0.3415, 0.4054

Rectangle

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



73.2532, 0.2396, 0.3111



73.2532, 0.2427, 0.2658



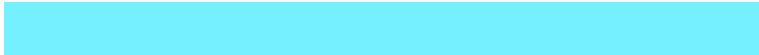
73.2532, 0.3916, 0.3385



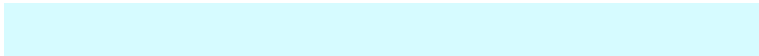
73.2532, 0.3861, 0.3905

Sweetspot

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



73.2543, 0.2396, 0.3111



90.2885, 0.2882, 0.3244



76.8442, 0.2988, 0.4886



19.0834, 0.2852, 0.3238



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.



73.2543, 0.2396, 0.3111



69.9878, 0.2305, 0.3072



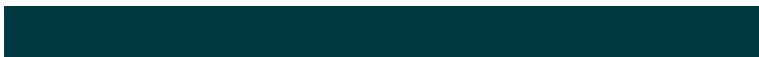
40.2931, 0.2212, 0.2232



20.1267, 0.2980, 0.3264



32.7501, 0.2152, 0.2946



3.2806, 0.2164, 0.2989

Inverse Universe

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



40.0475, 0.3325, 0.2107



34.5672, 0.3371, 0.1938



63.5571, 0.4219, 0.4131



18.2646, 0.3155, 0.3081



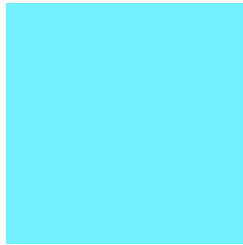
14.0341, 0.3502, 0.1703



1.3757, 0.3464, 0.1682

Previews

White Background



This preview shows how the Yxy color 73.2532, 0.2396, 0.3111 looks on a white background.

Color Contrast Check

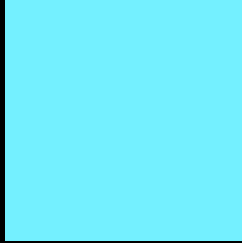
Large Text (above 18pt) WCAG AA × Fail

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 73.2532, 0.2396, 0.3111 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 73.2532, 0.2396, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 73.2532, 0.2396, 0.3111.

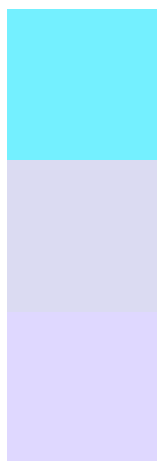


This preview shows how white text looks on a background with the Yxy color 73.2532, 0.2396, 0.3111.

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

73.2532, 0.2396, 0.3111

Protanopia

72.1339, 0.2979, 0.3045

Deuteranopia

72.0197, 0.2925, 0.2884



Tritanopia

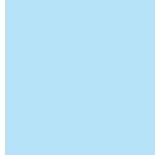
72.7749, 0.2454, 0.3079

Trichromacy



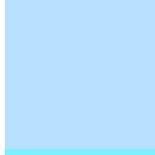
Original Color

73.2532, 0.2396, 0.3111



Protanomaly

71.5987, 0.2720, 0.3065



Deuteranomaly

71.2608, 0.2687, 0.2957



Tritanomaly

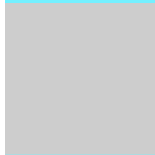
72.8811, 0.2432, 0.3089

Monochromacy



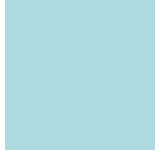
Original Color

73.2532, 0.2396, 0.3111



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.3548, 0.2791, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2532, 0.2396, 0.3111 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(116, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 240, 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(116, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.2532, 0.2396, 0.3111 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(116, 240, 255) }
```

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

```
.border{ border-color:rgb(116, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(116, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2532, 0.2396, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 240, 255) }
```

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

```
.background{ background-color: rgb(116,  
240, 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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