

Converting Colors

$Yxy(75.1132, 0.2377, 0.3159)$

Have a look what the booklet for
Yxy(75.1132, 0.2377, 0.3159)
contains.

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Color

Yxy(75.0472, 0.2376, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	6BF4FF
RGB	107, 244, 255
RGB Percent	42%, 96%, 100%
CMY	0.5805, 0.0431, 0.0000
CMYK	0.58, 0.04, 0.00, 0.00
HSL	184°, 100%, 71%
HSV	184°, 58%, 100%
XYZ	56.4636, 75.0472, 106.1307
YIQ	204.2910, -85.1830, -25.6230

Conversions

Conversions Part 2

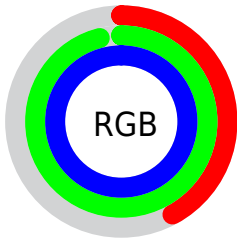
Format	Color
RYB	107, 178, 255
Decimal	7075071
CIELab	89.42, -34.06, -16.55
CIELCh	89, 37.864, 205.919
Yxy	75.0472, 0.2376, 0.3158
Android (android.graphics.Color)	4285265151 (0xFF6BF4FF)
YUV	204.2910, 24.9995, -85.3242
Hunter-Lab	86.6298, -35.2593, -11.9957

Details

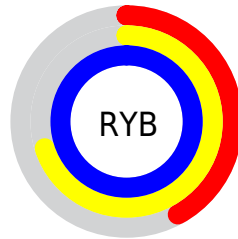
The Yxy color **75.0472, 0.2376, 0.3158** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.2719, 0.4857, 0.3401**, and the grayscale version is **60.4537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **39.7666, 0.2214, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **72.5609, 0.2300, 0.3133**, and if you desaturate by 10%, it is **78.0145, 0.2472, 0.3184**.

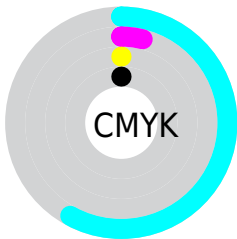
Distribution



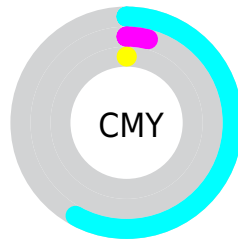
- Red (42%)
- Green (96%)
- Blue (100%)



- Red (42%)
- Yellow (70%)
- Blue (100%)



- Cyan (58%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0472, 0.2376, 0.3158 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 75.0472, 0.2376, 0.3158 by changing the saturation by 10% instead.


 75.0472, 0.2376,
0.3158

 75.0472, 0.2376,
0.3158


478.0798, 0.2712,
0.3229


 55.6516, 0.2303,
0.3140


 126.3792, 0.2490,
0.3184

 39.9236, 0.2214,
0.3116


 159.0843, 0.2535,
0.3194

 27.4790, 0.2104,
0.3085


 196.9947, 0.2574,
0.3202

 17.9333, 0.1965,
0.3041

240.4948, 0.2608,
0.3209

 10.9021, 0.1784,
0.2978

289.9689, 0.2639,
0.3215

 6.0010, 0.1543,
0.2881

345.8016, 0.2666,

 2.8457, 0.1211,

0.3220

0.2716

408.3770, 0.2690,
0.3225

■ 1.0517, 0.0379,
0.2501

■ 0.0000, 0.0000,
0.0000

■ 75.0472, 0.2376,
0.3158

■ 75.0472, 0.2376,
0.3158

■ 72.5609, 0.2300,
0.3133

■ 78.0145, 0.2472,
0.3184

■ 70.5080, 0.2243,
0.3107

■ 81.4948, 0.2584,
0.3208

■ 68.8404, 0.2205,
0.3081

■ 85.5233, 0.2712,
0.3232

■ 67.4901, 0.2184,
0.3056

■ 90.1306, 0.2853,
0.3254

■ 67.2447, 0.2181,
0.3052

■ 95.3450, 0.3002,
0.3275

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.



75.0472, 0.2641, 0.3605



75.0472, 0.2376, 0.3158



75.0472, 0.2301, 0.2794

Triad

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



75.0472, 0.2376, 0.3158



75.0472, 0.3157, 0.2719



75.0472, 0.3856, 0.3986

Complementary

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



75.0472, 0.2376, 0.3158



35.2719, 0.4857, 0.3401

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.



75.0472, 0.4027, 0.3694



75.0472, 0.2376, 0.3158



75.0472, 0.3610, 0.2989

Square

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



75.0472, 0.2376, 0.3158



75.0472, 0.2727, 0.2577



75.0472, 0.3938, 0.3335



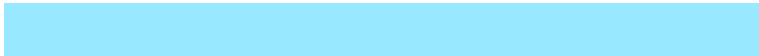
75.0472, 0.3493, 0.4107

Rectangle

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



75.0472, 0.2376, 0.3158



75.0472, 0.2361, 0.2642



75.0472, 0.3938, 0.3335



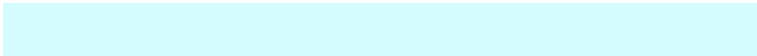
75.0472, 0.3939, 0.3902

Sweetspot

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



75.0489, 0.2376, 0.3158



90.6478, 0.2868, 0.3256



75.9253, 0.3001, 0.5061



19.1913, 0.2839, 0.3252



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

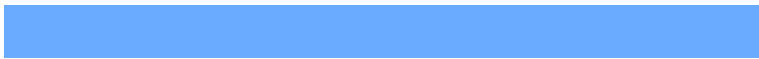
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0489, 0.2376, 0.3158



72.1273, 0.2287, 0.3128



39.5163, 0.2169, 0.2215



20.2368, 0.2980, 0.3272



35.2343, 0.2182, 0.3056



3.4968, 0.2190, 0.3084

Inverse Universe

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



38.3030, 0.3293, 0.2007



32.8933, 0.3330, 0.1830



59.5207, 0.4336, 0.4130



18.2757, 0.3149, 0.3073



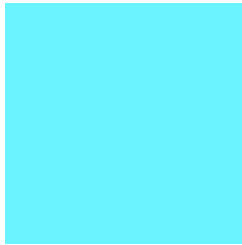
14.2849, 0.3405, 0.1650



1.3975, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 75.0472, 0.2376, 0.3158 looks on a white background.

Color Contrast Check

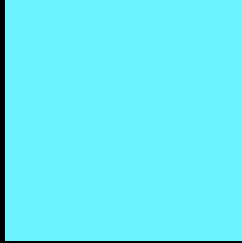
Large Text (above 18pt) WCAG AA × Fail

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 75.0472, 0.2376, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

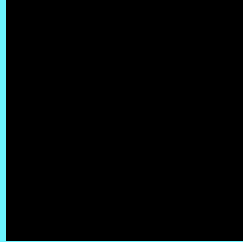
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0472, 0.2376, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 75.0472, 0.2376, 0.3158.

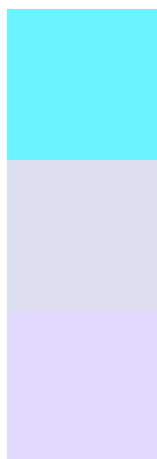


This preview shows how white text looks on a background with the Yxy color 75.0472, 0.2376, 0.3158.

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

75.0472, 0.2376, 0.3158

Protanopia

74.1230, 0.3005, 0.3089

Deuteranopia

74.0518, 0.2946, 0.2918



Tritanopia

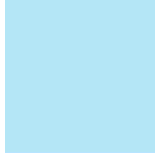
74.7926, 0.2501, 0.3105

Trichromacy



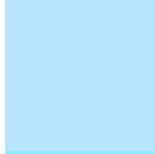
Original Color

75.0472, 0.2376, 0.3158



Protanomaly

72.9507, 0.2717, 0.3109



Deuteranomaly

72.7741, 0.2685, 0.2991



Tritanomaly

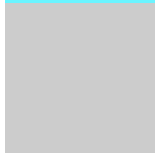
74.8764, 0.2451, 0.3126

Monochromacy



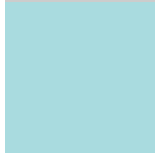
Original Color

75.0472, 0.2376, 0.3158



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.4258, 0.2767, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0472, 0.2376, 0.3158 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(107, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 244, 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(107, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.0472, 0.2376, 0.3158 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(107, 244, 255) }
```

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

```
.border{ border-color:rgb(107, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0472, 0.2376, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 244, 255) }
```

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

```
.background{ background-color: rgb(107,  
244, 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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