

Converting Colors

$Yxy(73.1564, 0.2353, 0.3125)$

Have a look what the booklet for
Yxy(73.1564, 0.2353, 0.3125)
contains.

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Color

Yxy(72.9554, 0.2352, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	66F1FF
RGB	102, 241, 255
RGB Percent	40%, 95%, 100%
CMY	0.6004, 0.0549, 0.0000
CMYK	0.60, 0.05, 0.00, 0.00
HSL	185°, 100%, 70%
HSV	185°, 60%, 100%
XYZ	54.9795, 72.9554, 105.8216
YIQ	201.0350, -87.3380, -25.1140

Conversions

Conversions Part 2

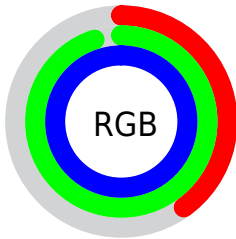
Format	Color
RYB	102, 175, 255
Decimal	6746623
CIELab	88.43, -33.51, -18.06
CIELCh	88, 38.067, 208.326
Yxy	72.9554, 0.2352, 0.3121
Android (android.graphics.Color)	4284936703 (0xFF66F1FF)
YUV	201.0350, 26.6047, -86.8537
Hunter-Lab	85.4139, -34.5769, -13.6662

Details

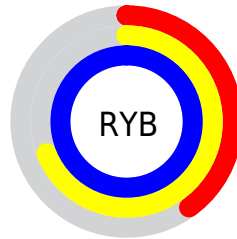
The Yxy color **72.9554, 0.2352, 0.3121** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.6803, 0.4930, 0.3429**, and the grayscale version is **58.2867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **38.3582, 0.2185, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **70.3193, 0.2277, 0.3090**, and if you desaturate by 10%, it is **76.0677, 0.2446, 0.3153**.

Distribution



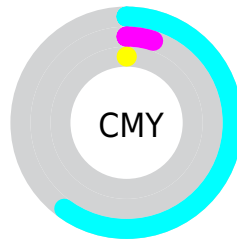
- Red (40%)
- Green (95%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9554, 0.2352, 0.3121 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 72.9554, 0.2352, 0.3121 by changing the saturation by 10% instead.


 72.9554, 0.2352,
0.3121

 72.9554, 0.2352,
0.3121


470.8602, 0.2699,
0.3210

 53.9395, 0.2276,
0.3098


 123.4139, 0.2470,
0.3154

 38.5533, 0.2183,
0.3069


 155.6253, 0.2517,
0.3166

 26.4124, 0.2069,
0.3031


 193.0039, 0.2557,
0.3176

 17.1324, 0.1925,
0.2979

235.9343, 0.2593,
0.3185

 10.3289, 0.1738,
0.2903

284.8007, 0.2624,
0.3192

 5.6176, 0.1487,
0.2787

339.9875, 0.2652,

 2.6140, 0.1143,

0.3199

0.2593

401.8792, 0.2677,
0.3205

■ 0.9337, 0.0173,
0.2353

■ 0.0000, 0.0000,
0.0000

■ 72.9554, 0.2352,
0.3121

■ 72.9554, 0.2352,
0.3121

■ 70.3193, 0.2277,
0.3090

■ 76.0677, 0.2446,
0.3153

■ 68.1147, 0.2222,
0.3058

■ 79.6933, 0.2557,
0.3184

■ 66.2899, 0.2186,
0.3026

■ 83.8666, 0.2684,
0.3213

■ 64.7657, 0.2165,
0.2995

■ 88.6188, 0.2823,
0.3240

 93.9787, 0.2972,
0.3266

99.9731, 0.3126,
0.3290

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.



72.9554, 0.2606, 0.3574



72.9554, 0.2352, 0.3121



72.9554, 0.2292, 0.2764

Triad

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



72.9554, 0.2352, 0.3121



72.9554, 0.3195, 0.2729



72.9554, 0.3843, 0.4013

Complementary

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



72.9554, 0.2352, 0.3121



34.6803, 0.4930, 0.3429

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.



72.9554, 0.4035, 0.3727



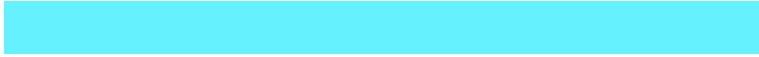
72.9554, 0.2352, 0.3121



72.9554, 0.3650, 0.3011

Square

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



72.9554, 0.2352, 0.3121



72.9554, 0.2752, 0.2573



72.9554, 0.3967, 0.3365



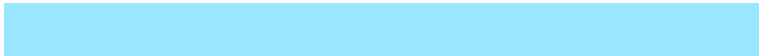
72.9554, 0.3463, 0.4119

Rectangle

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



72.9554, 0.2352, 0.3121



72.9554, 0.2364, 0.2620



72.9554, 0.3967, 0.3365



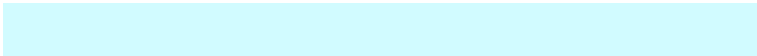
72.9554, 0.3933, 0.3932

Sweetspot

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



72.9558, 0.2352, 0.3121



89.6634, 0.2853, 0.3246



75.5682, 0.2989, 0.5098



18.8748, 0.2811, 0.3238



0.0000, 0.0000, 0.0000



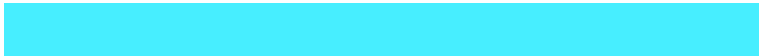
21.4041, 0.3127, 0.3290

Same Dimension

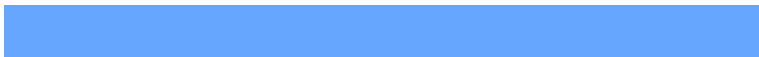
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9558, 0.2352, 0.3121



69.8553, 0.2265, 0.3083



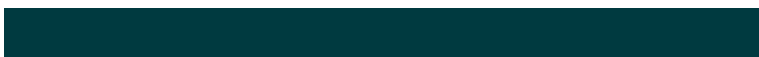
37.1971, 0.2130, 0.2136



20.1808, 0.2980, 0.3268



33.9585, 0.2167, 0.3000



3.3859, 0.2177, 0.3036

Inverse Universe

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



37.0929, 0.3324, 0.1993



32.0038, 0.3368, 0.1828



59.5681, 0.4368, 0.4176



18.2701, 0.3152, 0.3077



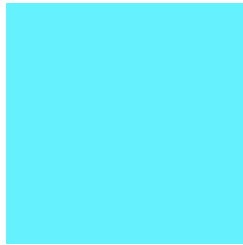
14.1561, 0.3454, 0.1676



1.3864, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 72.9554, 0.2352, 0.3121 looks on a white background.

Color Contrast Check

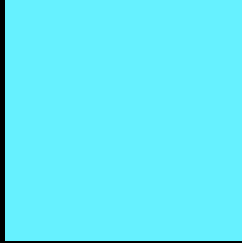
Large Text (above 18pt) WCAG AA × Fail

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 72.9554, 0.2352, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

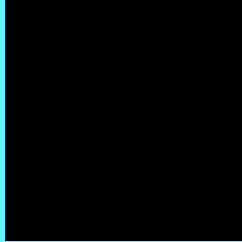
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9554, 0.2352, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 72.9554, 0.2352, 0.3121.

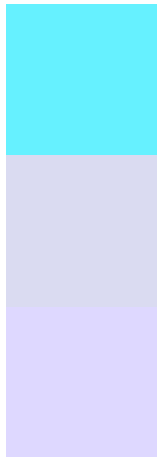


This preview shows how white text looks on a background with the Yxy color 72.9554, 0.2352, 0.3121.

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

72.9554, 0.2352, 0.3121

Protanopia

71.9193, 0.2978, 0.3055

Deuteranopia

71.8613, 0.2918, 0.2883



Tritanopia

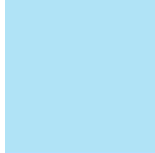
72.8811, 0.2432, 0.3089

Trichromacy



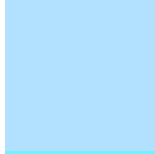
Original Color

72.9554, 0.2352, 0.3121



Protanomaly

70.8221, 0.2691, 0.3074



Deuteranomaly

70.5354, 0.2653, 0.2954



Tritanomaly

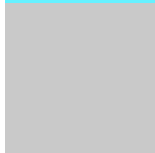
72.8046, 0.2401, 0.3100

Monochromacy



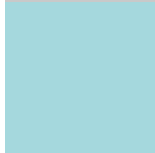
Original Color

72.9554, 0.2352, 0.3121



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

62.3315, 0.2751, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9554, 0.2352, 0.3121 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(102, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.9554, 0.2352, 0.3121 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(102, 241, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9554, 0.2352, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 241, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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