

Converting Colors

$Y_{xy}(75.4803, 0.2265, 0.3211)$

Have a look what the booklet for
Yxy(75.4803, 0.2265, 0.3211)
contains.

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Color

Yxy(75.7014, 0.2266, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	34F9FF
RGB	52, 249, 255
RGB Percent	20%, 98%, 100%
CMY	0.7945, 0.0236, 0.0000
CMYK	0.79, 0.02, 0.00, 0.00
HSL	182°, 100%, 60%
HSV	182°, 79%, 100%
XYZ	53.3559, 75.7014, 106.4058
YIQ	190.7810, -119.3380, -39.8980

Conversions

Conversions Part 2

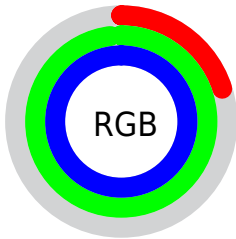
Format	Color
R_{YB}	52, 152, 255
Decimal	3471871
CIE _{Lab}	89.72, -43.23, -16.19
CIE _{LCh}	90, 46.163, 200.537
Yxy	75.7014, 0.2266, 0.3215
Android (android.graphics.Color)	4281661951 (0xFF34F9FF)
YUV	190.7810, 31.6600, -121.7109
Hunter-Lab	87.0066, -42.7980, -11.6049

Details

The Yxy color **75.7014, 0.2266, 0.3215** 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 **24.5785, 0.5886, 0.3333**, and the grayscale version is **51.8988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **41.7765, 0.2221, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **74.7284, 0.2236, 0.3205**, and if you desaturate by 10%, it is **77.0475, 0.2314, 0.3225**.

Distribution



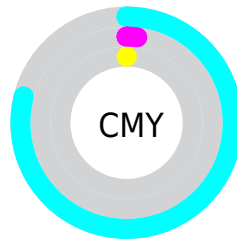
- Red (20%)
- Green (98%)
- Blue (100%)



- Red (20%)
- Yellow (60%)
- Blue (100%)



- Cyan (79%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7014, 0.2266, 0.3215 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 75.7014, 0.2266, 0.3215 by changing the saturation by 10% instead.


 75.7014, 0.2266,
0.3215


 75.7014, 0.2266,
0.3215


480.3249, 0.2648,
0.3263


 56.1877, 0.2183,
0.3201


 127.3047, 0.2395,
0.3234


 40.3534, 0.2083,
0.3183


 160.1631, 0.2446,
0.3241

 27.8142, 0.1960,
0.3158


 198.2386, 0.2491,
0.3246

 18.1857, 0.1805,
0.3121

 241.9154, 0.2530,
0.3251

 11.0834, 0.1607,
0.3066

291.5781, 0.2565,
0.3254

 6.1229, 0.1346,
0.2977

347.6110, 0.2596,

 2.9200, 0.0997,

0.3258

0.2819

410.3984, 0.2623,
0.3260

■ 1.0901, 0.0000,
0.2652

■ 0.0000, 0.0000,
0.0000

■ 75.7014, 0.2266,
0.3215

■ 75.7014, 0.2266,
0.3215

■ 74.7284, 0.2236,
0.3205

■ 77.0475, 0.2314,
0.3225

■ 74.0409, 0.2222,
0.3196

■ 78.8098, 0.2382,
0.3235

■ 74.0066, 0.2221,
0.3195

■ 81.0341, 0.2470,
0.3245

■ 83.7584, 0.2575,
0.3255

87.0164, 0.2698,
0.3265

90.8392, 0.2834,
0.3274

95.2552, 0.2981,
0.3282

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.



75.7014, 0.2614, 0.3771



75.7014, 0.2266, 0.3215



75.7014, 0.2139, 0.2748

Triad

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



75.7014, 0.2266, 0.3215



75.7014, 0.3059, 0.2567



75.7014, 0.4063, 0.4068

Complementary

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



75.7014, 0.2266, 0.3215



24.5785, 0.5886, 0.3333

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.



75.7014, 0.4225, 0.3686



75.7014, 0.2266, 0.3215



75.7014, 0.3619, 0.2861

Square

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



75.7014, 0.2266, 0.3215



75.7014, 0.2564, 0.2429



75.7014, 0.4062, 0.3256



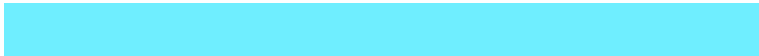
75.7014, 0.3650, 0.4281

Rectangle

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



75.7014, 0.2266, 0.3215



75.7014, 0.2183, 0.2546



75.7014, 0.4062, 0.3256



75.7014, 0.4150, 0.3952

Sweetspot

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



75.7042, 0.2266, 0.3215



89.0297, 0.2770, 0.3270



72.5436, 0.3004, 0.5750



18.7704, 0.2722, 0.3267



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.



75.7042, 0.2266, 0.3215



74.3226, 0.2227, 0.3200



29.8752, 0.1914, 0.1878



20.3835, 0.2980, 0.3282



38.7116, 0.2221, 0.3197



3.7972, 0.2224, 0.3208

Inverse Universe

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



30.5899, 0.3264, 0.1676



28.3071, 0.3281, 0.1593



45.6500, 0.4955, 0.4194



18.2905, 0.3143, 0.3063



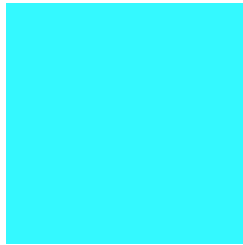
14.6359, 0.3285, 0.1583



1.4279, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 75.7014, 0.2266, 0.3215 looks on a white background.

Color Contrast Check

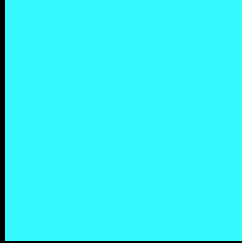
Large Text (above 18pt) WCAG AA × Fail

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 75.7014, 0.2266, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

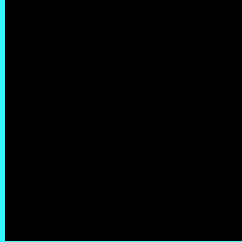
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

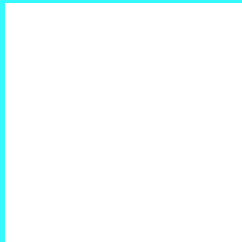
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7014, 0.2266, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 75.7014, 0.2266, 0.3215.

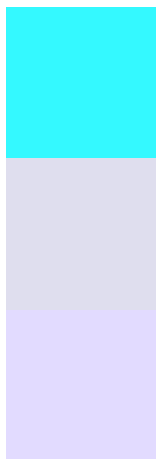


This preview shows how white text looks on a background with the Yxy color 75.7014, 0.2266, 0.3215.

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

75.7014, 0.2266, 0.3215

Protanopia

74.1036, 0.3031, 0.3120

Deuteranopia

74.0518, 0.2946, 0.2918



Tritanopia

74.9434, 0.2481, 0.3115

Trichromacy



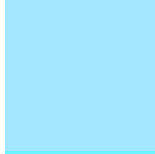
Original Color

75.7014, 0.2266, 0.3215



Protanomaly

71.8219, 0.2626, 0.3150



Deuteranomaly

71.6002, 0.2579, 0.3005



Tritanomaly

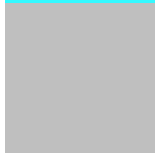
74.4470, 0.2374, 0.3146

Monochromacy



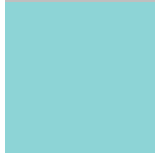
Original Color

75.7014, 0.2266, 0.3215



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.6047, 0.2643, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7014, 0.2266, 0.3215 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(52, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 249, 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(52, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.7014, 0.2266, 0.3215 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(52, 249, 255) }
```

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

```
.border{ border-color:rgb(52, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(52, 249, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(52, 249, 255); box-shadow:4px 4px 4px 4px rgb(52, 249, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7014, 0.2266, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 249, 255) }
```

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

```
.background{ background-color: rgb(52, 249,  
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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