

Converting Colors

$Y_{xy}(74.4316, 0.2258, 0.3190)$

Have a look what the booklet for
Yxy(74.4316, 0.2258, 0.3190)
contains.

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Color

Yxy(74.4453, 0.2258, 0.3191)

Conversions

Conversions Part 1

Format	Color
Hex	33F7FF
RGB	51, 247, 255
RGB Percent	20%, 97%, 100%
CMY	0.7992, 0.0314, 0.0001
CMYK	0.80, 0.03, 0.00, 0.00
HSL	182°, 100%, 60%
HSV	182°, 80%, 100%
XYZ	52.6786, 74.4453, 106.1738
YIQ	189.3080, -119.3840, -39.0640

Conversions

Conversions Part 2

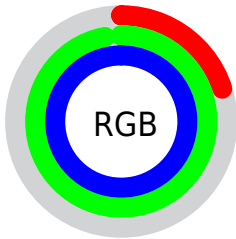
Format	Color
R _Y B	51, 151, 255
Decimal	3405823
CIE Lab	89.13, -42.45, -17.06
CIE LCh	89, 45.749, 201.901
Yxy	74.4453, 0.2258, 0.3191
Android (android.graphics.Color)	4281595903 (0xFF33F7FF)
YUV	189.3080, 32.3862, -121.2961
Hunter-Lab	86.2817, -42.0112, -12.5620

Details

The Yxy color **74.4453, 0.2258, 0.3191** 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 **24.6404, 0.5892, 0.3345**, and the grayscale version is **50.9698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **40.9041, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **73.3464, 0.2228, 0.3178**, and if you desaturate by 10%, it is **75.9159, 0.2307, 0.3204**.

Distribution



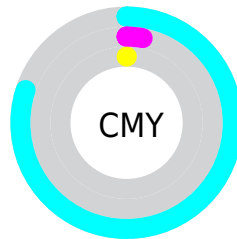
- Red (20%)
- Green (97%)
- Blue (100%)



- Red (20%)
- Yellow (59%)
- Blue (100%)



- Cyan (80%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4453, 0.2258, 0.3191 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 74.4453, 0.2258, 0.3191 by changing the saturation by 10% instead.

 74.4453, 0.2258,
0.3191

 74.4453, 0.2258,
0.3191


476.0088, 0.2645,
0.3250

 55.1586, 0.2174,
0.3175


 125.5268, 0.2389,
0.3214


 39.5287, 0.2072,
0.3153

 158.0905, 0.2441,
0.3222

 27.1713, 0.1948,
0.3123


 195.8485, 0.2486,
0.3229

 17.7019, 0.1791,
0.3081

 239.1854, 0.2525,
0.3235

 10.7362, 0.1590,
0.3018

288.4854, 0.2560,
0.3239

 5.8897, 0.1325,
0.2917

344.1331, 0.2592,

 2.7781, 0.0972,

0.3244

0.2742

406.5128, 0.2619,
0.3247

■ 1.0170, 0.0000,
0.2533

■ 0.0000, 0.0000,
0.0000

■ 74.4453, 0.2258,
0.3191

■ 74.4453, 0.2258,
0.3191

■ 73.3464, 0.2228,
0.3178

■ 75.9159, 0.2307,
0.3204

■ 72.5269, 0.2213,
0.3165

■ 77.8016, 0.2375,
0.3218

■ 72.5208, 0.2213,
0.3165

■ 80.1489, 0.2462,
0.3231

■ 82.9957, 0.2568,
0.3244

■ 86.3760, 0.2691,
0.3257

■ 90.3208, 0.2827,
0.3269

■ 94.8589, 0.2974,
0.3280

■ 99.9839, 0.3127,
0.3290

■ 99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



74.4453, 0.2596, 0.3746



74.4453, 0.2258, 0.3191



74.4453, 0.2142, 0.2733

Triad

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



74.4453, 0.2258, 0.3191



74.4453, 0.3084, 0.2580



74.4453, 0.4045, 0.4080

Complementary

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



74.4453, 0.2258, 0.3191



24.6404, 0.5892, 0.3345

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.



74.4453, 0.4220, 0.3704



74.4453, 0.2258, 0.3191



74.4453, 0.3641, 0.2878

Square

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



74.4453, 0.2258, 0.3191



74.4453, 0.2585, 0.2434



74.4453, 0.4073, 0.3276



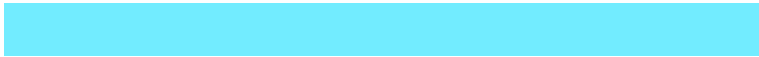
74.4453, 0.3626, 0.4281

Rectangle

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



74.4453, 0.2258, 0.3191



74.4453, 0.2193, 0.2539



74.4453, 0.4073, 0.3276



74.4453, 0.4136, 0.3967

Sweetspot

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



74.4481, 0.2258, 0.3191



88.6650, 0.2770, 0.3264



72.5151, 0.2997, 0.5737



18.6809, 0.2722, 0.3259



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.



74.4481, 0.2258, 0.3191



72.8478, 0.2218, 0.3170



28.5749, 0.1896, 0.1822



20.3524, 0.2980, 0.3280



37.9578, 0.2213, 0.3167



3.7323, 0.2217, 0.3182

Inverse Universe

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



30.3547, 0.3284, 0.1684



28.1000, 0.3307, 0.1605



46.5939, 0.4932, 0.4226



18.2874, 0.3144, 0.3065



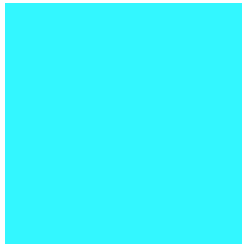
14.5598, 0.3310, 0.1597



1.4213, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 74.4453, 0.2258, 0.3191 looks on a white background.

Color Contrast Check

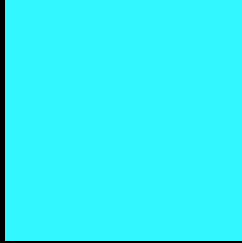
Large Text (above 18pt) WCAG AA × Fail

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 74.4453, 0.2258, 0.3191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

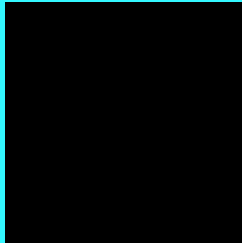
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

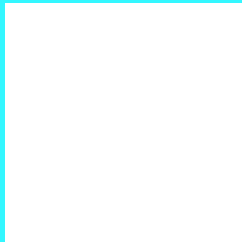
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.4453, 0.2258, 0.3191

Background



This preview shows how black text looks on a background with the Yxy color 74.4453, 0.2258, 0.3191.

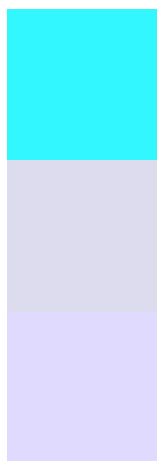


This preview shows how white text looks on a background with the Yxy color 74.4453, 0.2258, 0.3191.

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

74.4453, 0.2258, 0.3191

Protanopia

72.7316, 0.3018, 0.3098

Deuteranopia

73.2101, 0.2932, 0.2906



Tritanopia

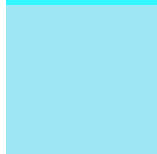
74.1294, 0.2441, 0.3113

Trichromacy



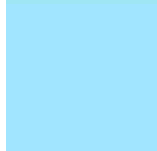
Original Color

74.4453, 0.2258, 0.3191



Protanomaly

70.4962, 0.2613, 0.3126



Deuteranomaly

70.8357, 0.2567, 0.2993



Tritanomaly

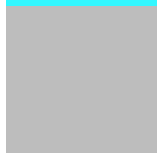
74.0305, 0.2352, 0.3145

Monochromacy



Original Color

74.4453, 0.2258, 0.3191



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.3863, 0.2634, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4453, 0.2258, 0.3191 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(51, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 247, 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(51, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.4453, 0.2258, 0.3191 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(51, 247, 255) }
```

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

```
.border{ border-color:rgb(51, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4453, 0.2258, 0.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 247, 255) }
```

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

```
.background{ background-color: rgb(51, 247,  
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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