

Converting Colors

$Y_{xy}(75.1963, 0.2123, 0.2736)$

Have a look what the booklet for
Yxy(75.1963, 0.2123, 0.2736)
contains.

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Color

Yxy(72.5743, 0.2245, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	31F4FF
RGB	49, 244, 255
RGB Percent	19%, 96%, 100%
CMY	0.8084, 0.0431, 0.0001
CMYK	0.81, 0.04, 0.00, 0.00
HSL	183°, 100%, 60%
HSV	183°, 81%, 100%
XYZ	51.6580, 72.5743, 105.8701
YIQ	186.9490, -119.7510, -37.9190

Conversions

Conversions Part 2

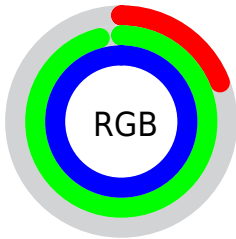
Format	Color
R _Y B	49, 149, 255
Decimal	3273983
CIE Lab	88.24, -41.29, -18.41
CIE LCh	88, 45.206, 204.027
Yxy	72.5743, 0.2245, 0.3154
Android (android.graphics.Color)	4281464063 (0xFF31F4FF)
YUV	186.9490, 33.5491, -120.9813
Hunter-Lab	85.1906, -40.8443, -14.0490

Details

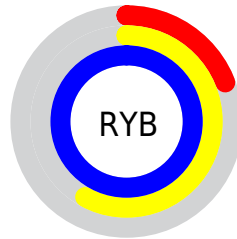
The Yxy color **72.5743, 0.2245, 0.3154** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.6885, 0.5908, 0.3361**, and the grayscale version is **49.4992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **39.6179, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **71.3009, 0.2215, 0.3136**, and if you desaturate by 10%, it is **74.2166, 0.2294, 0.3172**.

Distribution



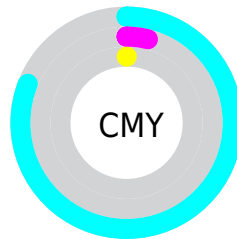
- Red (19%)
- Green (96%)
- Blue (100%)



- Red (19%)
- Yellow (58%)
- Blue (100%)



- Cyan (81%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (81%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5743, 0.2245, 0.3154 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 72.5743, 0.2245, 0.3154 by changing the saturation by 10% instead.


 72.5743, 0.2245,
0.3154


 72.5743, 0.2245,
0.3154


469.5381, 0.2639,
0.3231

 53.6279, 0.2159,
0.3133


 122.8727, 0.2378,
0.3183


 38.3043, 0.2056,
0.3106


 154.9935, 0.2431,
0.3194

 26.2189, 0.1928,
0.3070


 192.2746, 0.2477,
0.3203

 16.9875, 0.1768,
0.3019

 235.1004, 0.2517,
0.3210

 10.2256, 0.1562,
0.2944

283.8552, 0.2553,
0.3217

 5.5488, 0.1292,
0.2825

338.9235, 0.2585,

 2.5727, 0.0932,

0.3222

0.2623

400.6897, 0.2613,
0.3227

■ 0.9130, 0.0000,
0.2351

■ 0.0000, 0.0000,
0.0000

■ 72.5743, 0.2245,
0.3154

■ 72.5743, 0.2245,
0.3154

■ 71.3009, 0.2215,
0.3136

■ 74.2166, 0.2294,
0.3172

■ 70.3747, 0.2200,
0.3120

■ 76.2727, 0.2362,
0.3190

■ 78.7893, 0.2449,
0.3209

■ 81.8048, 0.2555,
0.3226

85.3537, 0.2677,
0.3243

89.4672, 0.2813,
0.3260

94.1742, 0.2960,
0.3275

99.5016, 0.3114,
0.3289

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



72.5743, 0.2567, 0.3706



72.5743, 0.2245, 0.3154



72.5743, 0.2146, 0.2710

Triad

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



72.5743, 0.2245, 0.3154



72.5743, 0.3124, 0.2599



72.5743, 0.4019, 0.4099

Complementary

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



72.5743, 0.2245, 0.3154



24.6885, 0.5908, 0.3361

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.



72.5743, 0.4214, 0.3732



72.5743, 0.2245, 0.3154



72.5743, 0.3676, 0.2905

Square

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



72.5743, 0.2245, 0.3154



72.5743, 0.2617, 0.2441



72.5743, 0.4091, 0.3306



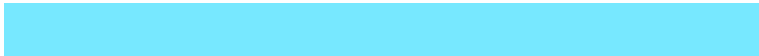
72.5743, 0.3589, 0.4281

Rectangle

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



72.5743, 0.2245, 0.3154



72.5743, 0.2207, 0.2526



72.5743, 0.4091, 0.3306



72.5743, 0.4116, 0.3990

Sweetspot

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



72.5770, 0.2245, 0.3154



88.1239, 0.2769, 0.3255



72.4704, 0.2990, 0.5732



18.5482, 0.2721, 0.3249



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.



72.5770, 0.2245, 0.3154



70.6820, 0.2204, 0.3125



27.0981, 0.1874, 0.1756



20.3061, 0.2980, 0.3277



36.8527, 0.2201, 0.3123



3.6369, 0.2207, 0.3143

Inverse Universe

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



29.9723, 0.3315, 0.1694



27.8276, 0.3345, 0.1624



47.3946, 0.4919, 0.4259



18.2827, 0.3146, 0.3068



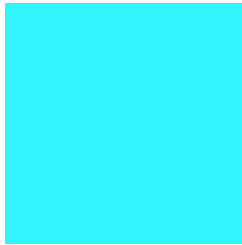
14.4483, 0.3347, 0.1618



1.4117, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 72.5743, 0.2245, 0.3154 looks on a white background.

Color Contrast Check

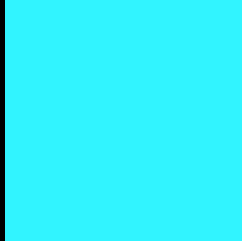
Large Text (above 18pt) WCAG AA × Fail

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 72.5743, 0.2245, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

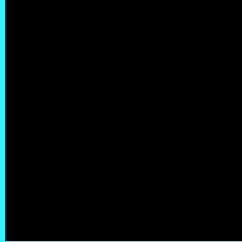
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.5743, 0.2245, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 72.5743, 0.2245, 0.3154.

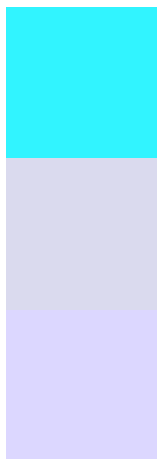


This preview shows how white text looks on a background with the Yxy color 72.5743, 0.2245, 0.3154.

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

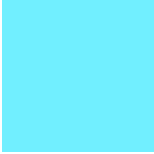
72.5743, 0.2245, 0.3154

Protanopia

71.2213, 0.2997, 0.3075

Deuteranopia

71.0365, 0.2904, 0.2871



Tritanopia

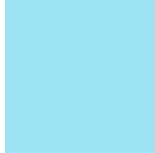
72.4637, 0.2383, 0.3099

Trichromacy



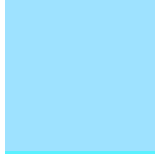
Original Color

72.5743, 0.2245, 0.3154



Protanomaly

68.5377, 0.2592, 0.3090



Deuteranomaly

68.8818, 0.2547, 0.2956



Tritanomaly

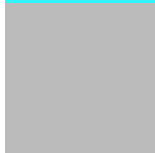
72.3043, 0.2318, 0.3120

Monochromacy



Original Color

72.5743, 0.2245, 0.3154



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

55.1836, 0.2625, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5743, 0.2245, 0.3154 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(49, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.5743, 0.2245, 0.3154 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(49, 244, 255) }
```

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

```
.border{ border-color:rgb(49, 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(49, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 244,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.5743, 0.2245, 0.3154$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 244, 255) }
```

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

```
.background{ background-color: rgb(49, 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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