

Converting Colors

$Y_{xy}(75.8500, 0.2134, 0.2636)$

Have a look what the booklet for
Yxy(75.8500, 0.2134, 0.2636)
contains.

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Color

Yxy(72.3020, 0.2289, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	4DF2FF
RGB	77, 242, 255
RGB Percent	30%, 95%, 100%
CMY	0.6981, 0.0509, 0.0001
CMYK	0.70, 0.05, 0.00, 0.00
HSL	184°, 100%, 65%
HSV	184°, 70%, 100%
XYZ	52.8583, 72.3020, 105.7627
YIQ	194.1470, -102.5130, -30.9370

Conversions

Conversions Part 2

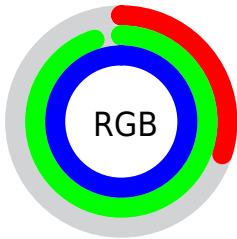
Format	Color
RYB	77, 163, 255
Decimal	5108479
CIELab	88.11, -37.59, -18.56
CIELCh	88, 41.924, 206.283
Yxy	72.3020, 0.2289, 0.3131
Android (android.graphics.Color)	4283298559 (0xFF4DF2FF)
YUV	194.1470, 30.0005, -102.7379
Hunter-Lab	85.0306, -37.8411, -14.2247

Details

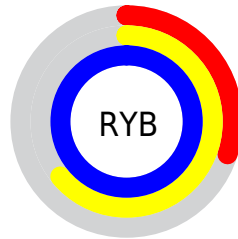
The Yxy color **72.3020, 0.2289, 0.3131** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **29.0967, 0.5405, 0.3402**, and the grayscale version is **53.9017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **38.7751, 0.2190, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **70.3433, 0.2236, 0.3106**, and if you desaturate by 10%, it is **74.6927, 0.2362, 0.3156**.

Distribution



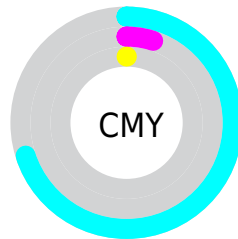
- Red (30%)
- Green (95%)
- Blue (100%)



- Red (30%)
- Yellow (64%)
- Blue (100%)



- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3020, 0.2289, 0.3131 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 72.3020, 0.2289, 0.3131 by changing the saturation by 10% instead.


 72.3020, 0.2289,
0.3131


 72.3020, 0.2289,
0.3131


468.5921, 0.2664,
0.3217


 53.4054, 0.2207,
0.3109

 122.4858, 0.2416,
0.3163


 38.1265, 0.2108,
0.3080


 154.5418, 0.2467,
0.3175

 26.0809, 0.1985,
0.3041

 191.7531, 0.2510,
0.3185

 16.8842, 0.1831,
0.2987

 234.5040, 0.2549,
0.3193

 10.1519, 0.1632,
0.2909

283.1789, 0.2582,
0.3201

 5.4998, 0.1368,
0.2788

338.1623, 0.2613,

 2.5434, 0.1013,

0.3207

0.2583

399.8386, 0.2640,
0.3212

0.8983, 0.0000,
0.2328

0.0000, 0.0000,
0.0000

72.3020, 0.2289,
0.3131

72.3020, 0.2289,
0.3131

70.3433, 0.2236,
0.3106

74.6927, 0.2362,
0.3156

68.7566, 0.2202,
0.3081

77.5506, 0.2454,
0.3181

67.4618, 0.2183,
0.3057

80.9166, 0.2564,
0.3205

67.4385, 0.2182,
0.3056

84.8245, 0.2689,
0.3229

■ 89.3055, 0.2827,
0.3251

■ 94.3882, 0.2975,
0.3271

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



72.3020, 0.2578, 0.3638



72.3020, 0.2289, 0.3131



72.3020, 0.2211, 0.2729

Triad

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



72.3020, 0.2289, 0.3131



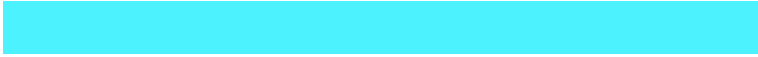
72.3020, 0.3165, 0.2660



72.3020, 0.3936, 0.4067

Complementary

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



72.3020, 0.2289, 0.3131



29.0967, 0.5405, 0.3402

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.



72.3020, 0.4134, 0.3737



72.3020, 0.2289, 0.3131



72.3020, 0.3673, 0.2958

Square

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



72.3020, 0.2289, 0.3131



72.3020, 0.2684, 0.2500



72.3020, 0.4040, 0.3339



72.3020, 0.3525, 0.4210

Rectangle

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



72.3020, 0.2289, 0.3131



72.3020, 0.2279, 0.2564



72.3020, 0.4040, 0.3339



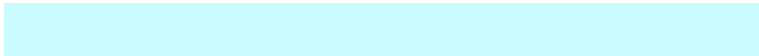
72.3020, 0.4031, 0.3971

Sweetspot

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



72.3047, 0.2289, 0.3131



88.7546, 0.2810, 0.3248



73.8053, 0.2987, 0.5429



18.7238, 0.2771, 0.3242



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.



72.3047, 0.2289, 0.3131



69.6463, 0.2219, 0.3095



31.9442, 0.1997, 0.1952



20.2413, 0.2980, 0.3272



35.3389, 0.2183, 0.3060



3.5058, 0.2191, 0.3088

Inverse Universe

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



32.9726, 0.3327, 0.1831



29.0869, 0.3366, 0.1698



53.5725, 0.4628, 0.4241



18.2762, 0.3149, 0.3073



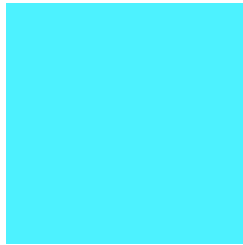
14.2954, 0.3402, 0.1647



1.3985, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 72.3020, 0.2289, 0.3131 looks on a white background.

Color Contrast Check

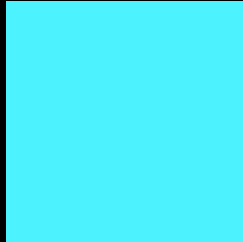
Large Text (above 18pt) WCAG AA × Fail

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 72.3020, 0.2289, 0.3131 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 72.3020, 0.2289, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 72.3020, 0.2289, 0.3131.

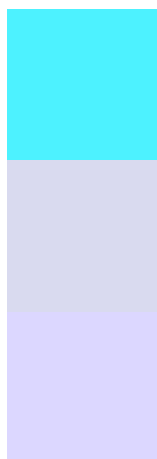


This preview shows how white text looks on a background with the Yxy color 72.3020, 0.2289, 0.3131.

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

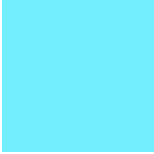
72.3020, 0.2289, 0.3131

Protanopia

71.1265, 0.2984, 0.3064

Deuteranopia

71.0365, 0.2904, 0.2871



Tritanopia

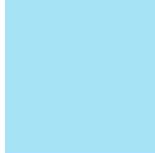
72.0139, 0.2387, 0.3087

Trichromacy



Original Color

72.3020, 0.2289, 0.3131



Protanomaly

69.6377, 0.2641, 0.3081



Deuteranomaly

69.3953, 0.2598, 0.2949



Tritanomaly

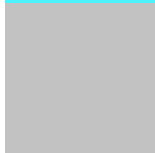
71.7197, 0.2344, 0.3097

Monochromacy



Original Color

72.3020, 0.2289, 0.3131



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

58.1257, 0.2689, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3020, 0.2289, 0.3131 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(77, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 242, 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(77, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.3020, 0.2289, 0.3131 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(77, 242, 255) }
```

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

```
.border{ border-color:rgb(77, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3020, 0.2289, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 242, 255) }
```

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

```
.background{ background-color: rgb(77, 242,  
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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