

Converting Colors

$Y_{xy}(72.2861, 0.2240, 0.3149)$

Have a look what the booklet for
Yxy(72.2861, 0.2240, 0.3149)
contains.

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Color

Yxy(72.5022, 0.2241, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	2EF4FF
RGB	46, 244, 255
RGB Percent	18%, 96%, 100%
CMY	0.8196, 0.0431, 0.0000
CMYK	0.82, 0.04, 0.00, 0.00
HSL	183°, 100%, 59%
HSV	183°, 82%, 100%
XYZ	51.5311, 72.5022, 105.9135
YIQ	186.0520, -121.5390, -38.5550

Conversions

Conversions Part 2

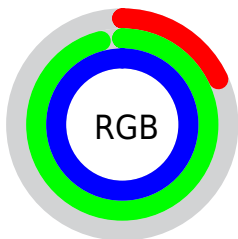
Format	Color
R _Y B	46, 148, 255
Decimal	3077375
CIE _{Lab}	88.21, -41.47, -18.49
CIE _{LCh}	88, 45.410, 204.032
Yxy	72.5022, 0.2241, 0.3153
Android (android.graphics.Color)	4281267455 (0xFF2EF4FF)
YUV	186.0520, 33.9914, -122.8256
Hunter-Lab	85.1482, -40.9825, -14.1454

Details

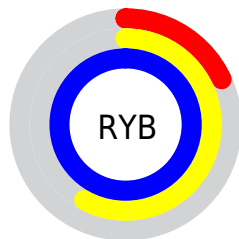
The Yxy color **72.5022, 0.2241, 0.3153** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.3841, 0.5950, 0.3359**, and the grayscale version is **48.9914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **39.6179, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **71.2710, 0.2213, 0.3136**, and if you desaturate by 10%, it is **74.0911, 0.2288, 0.3171**.

Distribution



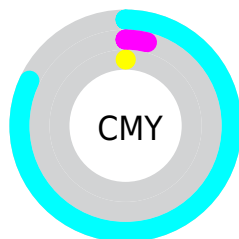
- Red (18%)
- Green (96%)
- Blue (100%)



- Red (18%)
- Yellow (58%)
- Blue (100%)



- Cyan (82%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5022, 0.2241, 0.3153 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 72.5022, 0.2241, 0.3153 by changing the saturation by 10% instead.

 72.5022, 0.2241,
0.3153


 72.5022, 0.2241,
0.3153


469.2877, 0.2636,
0.3231


 53.5690, 0.2155,
0.3132


 122.7703, 0.2375,
0.3182

 38.2572, 0.2051,
0.3105


 154.8739, 0.2428,
0.3193

 26.1824, 0.1923,
0.3068


 192.1365, 0.2474,
0.3202

 16.9601, 0.1762,
0.3017

 234.9425, 0.2515,
0.3210

 10.2061, 0.1555,
0.2941

283.6762, 0.2550,
0.3216

 5.5358, 0.1284,
0.2821

338.7220, 0.2582,

 2.5649, 0.0924,

0.3222

0.2617

400.4644, 0.2611,
0.3226

■ 0.9091, 0.0000,
0.2341

■ 0.0000, 0.0000,
0.0000

■ 72.5022, 0.2241,
0.3153

■ 72.5022, 0.2241,
0.3153

■ 71.2710, 0.2213,
0.3136

■ 74.0911, 0.2288,
0.3171

■ 70.4741, 0.2201,
0.3122

■ 76.0906, 0.2353,
0.3189

■ 78.5459, 0.2439,
0.3207

■ 81.4961, 0.2543,
0.3225

84.9759, 0.2663,
0.3242

89.0170, 0.2798,
0.3258

93.6485, 0.2943,
0.3273

98.8975, 0.3096,
0.3287

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.



72.5022, 0.2565, 0.3708



72.5022, 0.2241, 0.3153



72.5022, 0.2141, 0.2707

Triad

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



72.5022, 0.2241, 0.3153



72.5022, 0.3124, 0.2596



72.5022, 0.4023, 0.4102

Complementary

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



72.5022, 0.2241, 0.3153



24.3841, 0.5950, 0.3359

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.



72.5022, 0.4220, 0.3734



72.5022, 0.2241, 0.3153



72.5022, 0.3679, 0.2904

Square

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



72.5022, 0.2241, 0.3153



72.5022, 0.2615, 0.2437



72.5022, 0.4095, 0.3306



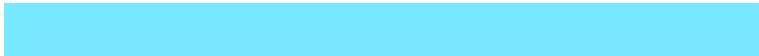
72.5022, 0.3591, 0.4286

Rectangle

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



72.5022, 0.2241, 0.3153



72.5022, 0.2203, 0.2522



72.5022, 0.4095, 0.3306



72.5022, 0.4121, 0.3993

Sweetspot

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



72.5027, 0.2241, 0.3153



87.7267, 0.2755, 0.3253



72.3910, 0.2990, 0.5755



18.4724, 0.2708, 0.3248



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.



72.5027, 0.2241, 0.3153



70.6665, 0.2203, 0.3125



26.5727, 0.1862, 0.1733



20.3079, 0.2980, 0.3277



36.8954, 0.2201, 0.3125



3.6406, 0.2207, 0.3145

Inverse Universe

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



29.7461, 0.3316, 0.1685



27.7724, 0.3345, 0.1621



46.9305, 0.4944, 0.4260



18.2829, 0.3146, 0.3068



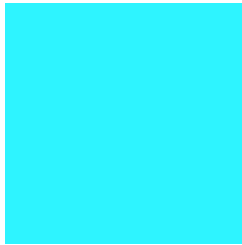
14.4526, 0.3346, 0.1617



1.4121, 0.3329, 0.1607

Previews

White Background



This preview shows how the Yxy color 72.5022, 0.2241, 0.3153 looks on a white background.

Color Contrast Check

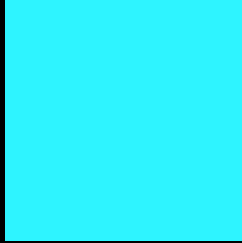
Large Text (above 18pt) WCAG AA × Fail

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 72.5022, 0.2241, 0.3153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

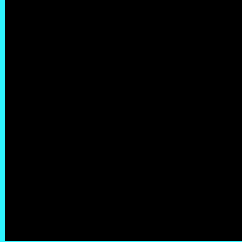
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.5022, 0.2241, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 72.5022, 0.2241, 0.3153.

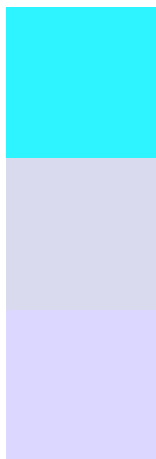


This preview shows how white text looks on a background with the Yxy color 72.5022, 0.2241, 0.3153.

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

72.5022, 0.2241, 0.3153

Protanopia

71.2213, 0.2997, 0.3075

Deuteranopia

71.0365, 0.2904, 0.2871



Tritanopia

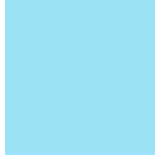
72.3977, 0.2380, 0.3099

Trichromacy



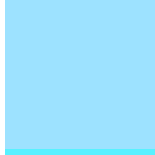
Original Color

72.5022, 0.2241, 0.3153



Protanomaly

68.4384, 0.2587, 0.3089



Deuteranomaly

68.7808, 0.2542, 0.2956



Tritanomaly

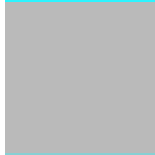
72.2053, 0.2313, 0.3120

Monochromacy



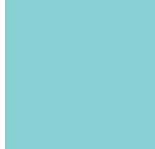
Original Color

72.5022, 0.2241, 0.3153



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.4797, 0.2617, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5022, 0.2241, 0.3153 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(46, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.5022, 0.2241, 0.3153 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(46, 244, 255) }
```

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

```
.border{ border-color:rgb(46, 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(46, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5022, 0.2241, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 244, 255) }
```

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

```
.background{ background-color: rgb(46, 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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