

Converting Colors

$Y_{xy}(70.4502, 0.2251, 0.3145)$

Have a look what the booklet for
Yxy(70.4502, 0.2251, 0.3145)
contains.

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Color

Yxy(70.7231, 0.2253, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	36F1FC
RGB	54, 241, 252
RGB Percent	21%, 95%, 99%
CMY	0.7880, 0.0549, 0.0117
CMYK	0.79, 0.04, 0.00, 0.01
HSL	183°, 97%, 60%
HSV	183°, 79%, 99%
XYZ	50.5518, 70.7231, 103.1005
YIQ	186.3410, -114.9830, -36.2230

Conversions

Conversions Part 2

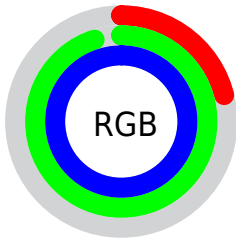
Format	Color
RYB	54, 150, 252
Decimal	3600892
CIELab	87.35, -40.37, -18.20
CIELCh	87, 44.284, 204.273
Yxy	70.7231, 0.2253, 0.3152
Android (android.graphics.Color)	4281790972 (0xFF36F1FC)
YUV	186.3410, 32.3699, -116.0631
Hunter-Lab	84.0970, -39.8712, -13.8199

Details

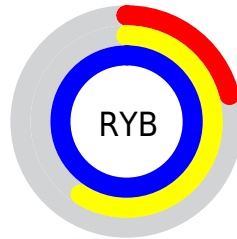
The Yxy color **70.7231, 0.2253, 0.3152** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.7570, 0.5812, 0.3368**, and the grayscale version is **49.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **38.2211, 0.2198, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **69.3712, 0.2218, 0.3133**, and if you desaturate by 10%, it is **72.4474, 0.2306, 0.3171**.

Distribution



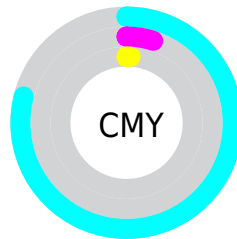
- Red (21%)
- Green (95%)
- Blue (99%)



- Red (21%)
- Yellow (59%)
- Blue (99%)



- Cyan (79%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)





- Cyan (79%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7231, 0.2253, 0.3152 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 70.7231, 0.2253, 0.3152 by changing the saturation by 10% instead.

 70.7231, 0.2253,
0.3152


 70.7231, 0.2253,
0.3152

463.0849, 0.2645,
0.3230

 52.1163, 0.2167,
0.3131


 120.2394, 0.2386,
0.3182


 37.0978, 0.2063,
0.3104


 151.9176, 0.2439,
0.3192

 25.2832, 0.1935,
0.3067


 188.7217, 0.2485,
0.3201

 16.2882, 0.1773,
0.3015

 231.0362, 0.2525,
0.3209

 9.7283, 0.1565,
0.2937

279.2453, 0.2560,
0.3215

 5.2192, 0.1289,
0.2815

333.7335, 0.2591,

 2.3764, 0.0921,

0.3221

0.2605

394.8853, 0.2620,
0.3226

■ 0.8137, 0.0000,
0.2303

■ 0.0000, 0.0000,
0.0000

■ 70.7231, 0.2253,
0.3152

■ 70.7231, 0.2253,
0.3152

■ 69.3712, 0.2218,
0.3133

■ 72.4474, 0.2306,
0.3171

■ 68.3143, 0.2200,
0.3115

■ 74.5854, 0.2379,
0.3190

■ 68.1722, 0.2198,
0.3112

■ 77.1810, 0.2472,
0.3209

■ 80.2705, 0.2582,
0.3228

83.8866, 0.2707,
0.3245

88.0592, 0.2846,
0.3262

92.8158, 0.2995,
0.3278

98.0534, 0.3146,
0.3292

98.9393, 0.3145,
0.3305

Harmonies

Analogous

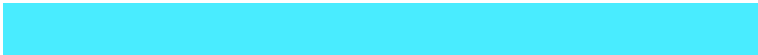
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7231, 0.2571, 0.3697



70.7231, 0.2253, 0.3152



70.7231, 0.2156, 0.2714

Triad

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



70.7231, 0.2253, 0.3152



70.7231, 0.3128, 0.2608



70.7231, 0.4007, 0.4093

Complementary

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



70.7231, 0.2253, 0.3152



24.7570, 0.5812, 0.3368

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.



70.7231, 0.4201, 0.3732



70.7231, 0.2253, 0.3152



70.7231, 0.3674, 0.2913

Square

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



70.7231, 0.2253, 0.3152



70.7231, 0.2626, 0.2450



70.7231, 0.4081, 0.3310



70.7231, 0.3580, 0.4269

Rectangle

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



70.7231, 0.2253, 0.3152



70.7231, 0.2218, 0.2533



70.7231, 0.4081, 0.3310



70.7231, 0.4103, 0.3986

Sweetspot

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



70.7257, 0.2253, 0.3152



88.0276, 0.2769, 0.3253



70.7913, 0.2991, 0.5681



18.5246, 0.2720, 0.3247



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.



70.7257, 0.2253, 0.3152



70.6208, 0.2207, 0.3123



27.5036, 0.1900, 0.1805



19.4331, 0.2980, 0.3276



35.5781, 0.2199, 0.3115



3.3442, 0.2205, 0.3137

Inverse Universe

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



29.6945, 0.3316, 0.1717



28.0000, 0.3346, 0.1633



47.1397, 0.4865, 0.4254



17.5069, 0.3147, 0.3069



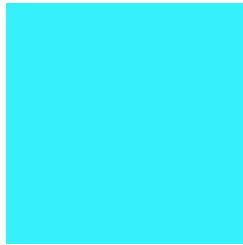
14.0025, 0.3354, 0.1621



1.3018, 0.3335, 0.1611

Previews

White Background



This preview shows how the Yxy color 70.7231, 0.2253, 0.3152 looks on a white background.

Color Contrast Check

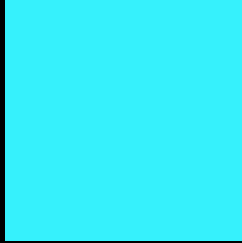
Large Text (above 18pt) WCAG AA × Fail

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 70.7231, 0.2253, 0.3152 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

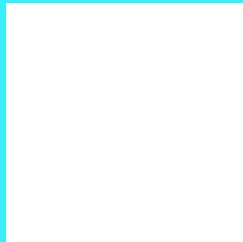
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7231, 0.2253, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 70.7231, 0.2253, 0.3152.

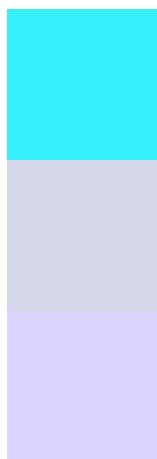


This preview shows how white text looks on a background with the Yxy color 70.7231, 0.2253, 0.3152.

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

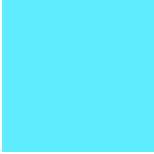
70.7231, 0.2253, 0.3152

Protanopia

69.1041, 0.2989, 0.3062

Deuteranopia

69.2124, 0.2890, 0.2837



Tritanopia

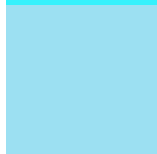
70.2752, 0.2323, 0.3071

Trichromacy



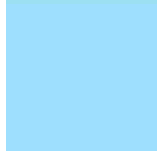
Original Color

70.7231, 0.2253, 0.3152



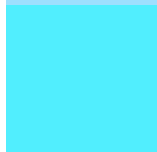
Protanomaly

66.7900, 0.2597, 0.3076



Deuteranomaly

67.2002, 0.2547, 0.2931



Tritanomaly

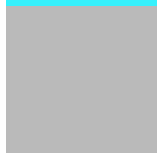
70.0542, 0.2290, 0.3093

Monochromacy



Original Color

70.7231, 0.2253, 0.3152



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.1990, 0.2638, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7231, 0.2253, 0.3152 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(54, 241, 252)` looks like.

```
.text, #text, p{  
    color:rgb(54, 241, 252)  
}
```

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(54, 241, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 241, 252) }
```

Border

The CSS property to change the border of an element to Yxy 70.7231, 0.2253, 0.3152 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(54, 241, 252) }
```

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

```
.border{ border-color:rgb(54, 241, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 241, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 241, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 241, 252);  
box-shadow:4px 4px 4px 4px rgb(54, 241,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7231, 0.2253, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 241, 252) }
```

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

```
.background{ background-color: rgb(54, 241,  
252) }
```

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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