

Converting Colors

$Y_{xy}(72.7156, 0.2249, 0.3156)$

Have a look what the booklet for
Yxy(72.7156, 0.2249, 0.3156)
contains.

Yxy(72.6252, 0.2248, 0.3154)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.6252, 0.2248, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	33F4FF
RGB	51, 244, 255
RGB Percent	20%, 96%, 100%
CMY	0.7998, 0.0431, 0.0001
CMYK	0.80, 0.04, 0.00, 0.00
HSL	183°, 100%, 60%
HSV	183°, 80%, 100%
XYZ	51.7633, 72.6252, 105.8753
YIQ	187.5470, -118.5590, -37.4950

Conversions

Conversions Part 2

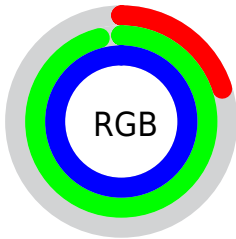
Format	Color
R _Y B	51, 150, 255
Decimal	3405055
CIE Lab	88.27, -41.12, -18.37
CIE LCh	88, 45.033, 204.071
Yxy	72.6252, 0.2248, 0.3154
Android (android.graphics.Color)	4281595135 (0xFF33F4FF)
YUV	187.5470, 33.2543, -119.7517
Hunter-Lab	85.2204, -40.7140, -14.0058

Details

The Yxy color **72.6252, 0.2248, 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 **24.9409, 0.5874, 0.3364**, and the grayscale version is **49.8847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **39.6179, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **71.3143, 0.2216, 0.3136**, and if you desaturate by 10%, it is **74.3101, 0.2298, 0.3172**.

Distribution



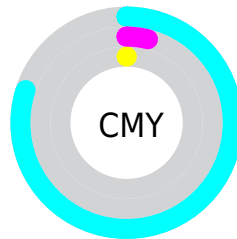
- Red (20%)
- Green (96%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6252, 0.2248, 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 72.6252, 0.2248, 0.3154 by changing the saturation by 10% instead.


 72.6252, 0.2248,
0.3154

 72.6252, 0.2248,
0.3154


469.7148, 0.2640,
0.3231

 53.6696, 0.2163,
0.3133


 122.9450, 0.2381,
0.3183


 38.3375, 0.2059,
0.3107


 155.0779, 0.2434,
0.3194

 26.2448, 0.1932,
0.3070

 192.3721, 0.2479,
0.3203

 17.0068, 0.1772,
0.3019

 235.2118, 0.2519,
0.3210

 10.2394, 0.1567,
0.2944

283.9816, 0.2555,
0.3216

 5.5580, 0.1297,
0.2826

339.0657, 0.2586,

 2.5782, 0.0938,

0.3222

0.2625

400.8487, 0.2615,
0.3227

■ 0.9157, 0.0000,
0.2356

■ 0.0000, 0.0000,
0.0000

■ 72.6252, 0.2248,
0.3154

■ 72.6252, 0.2248,
0.3154

■ 71.3143, 0.2216,
0.3136

■ 74.3101, 0.2298,
0.3172

■ 70.2848, 0.2200,
0.3118

■ 76.4130, 0.2368,
0.3191

■ 70.2831, 0.2200,
0.3118

■ 78.9800, 0.2458,
0.3209

■ 82.0492, 0.2565,
0.3227

85.6546, 0.2689,
0.3244

89.8274, 0.2825,
0.3261

94.5962, 0.2973,
0.3276

99.9841, 0.3127,
0.3290

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



72.6252, 0.2569, 0.3703



72.6252, 0.2248, 0.3154



72.6252, 0.2149, 0.2712

Triad

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



72.6252, 0.2248, 0.3154



72.6252, 0.3125, 0.2601



72.6252, 0.4016, 0.4096

Complementary

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



72.6252, 0.2248, 0.3154



24.9409, 0.5874, 0.3364

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.



72.6252, 0.4210, 0.3732



72.6252, 0.2248, 0.3154



72.6252, 0.3675, 0.2907

Square

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



72.6252, 0.2248, 0.3154



72.6252, 0.2620, 0.2444



72.6252, 0.4087, 0.3307



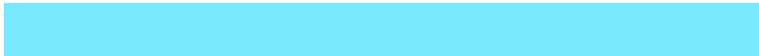
72.6252, 0.3587, 0.4277

Rectangle

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



72.6252, 0.2248, 0.3154



72.6252, 0.2211, 0.2529



72.6252, 0.4087, 0.3307



72.6252, 0.4112, 0.3988

Sweetspot

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



72.6279, 0.2248, 0.3154



88.1005, 0.2769, 0.3254



72.5485, 0.2990, 0.5714



18.5424, 0.2721, 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.



72.6279, 0.2248, 0.3154



70.6902, 0.2205, 0.3125



27.5113, 0.1883, 0.1774



20.3041, 0.2980, 0.3277



36.8052, 0.2200, 0.3121



3.6328, 0.2206, 0.3141

Inverse Universe

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



30.1584, 0.3315, 0.1702



27.8821, 0.3345, 0.1626



47.7615, 0.4899, 0.4257



18.2825, 0.3146, 0.3068



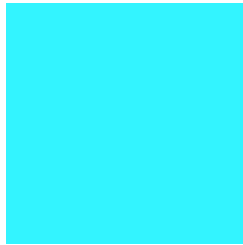
14.4435, 0.3349, 0.1619



1.4113, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 72.6252, 0.2248, 0.3154 looks on a white background.

Color Contrast Check

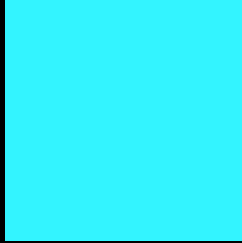
Large Text (above 18pt) WCAG AA × Fail

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 72.6252, 0.2248, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

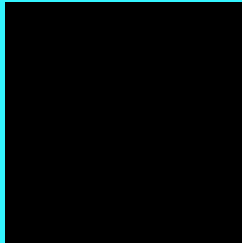
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6252, 0.2248, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 72.6252, 0.2248, 0.3154.

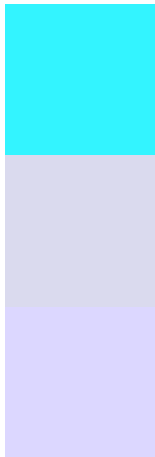


This preview shows how white text looks on a background with the Yxy color 72.6252, 0.2248, 0.3154.

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

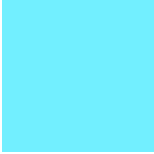
72.6252, 0.2248, 0.3154

Protanopia

71.2213, 0.2997, 0.3075

Deuteranopia

71.0365, 0.2904, 0.2871



Tritanopia

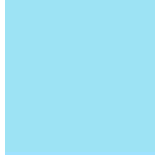
72.5304, 0.2386, 0.3099

Trichromacy



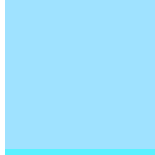
Original Color

72.6252, 0.2248, 0.3154



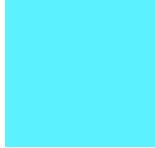
Protanomaly

68.6379, 0.2598, 0.3090



Deuteranomaly

68.9836, 0.2552, 0.2957



Tritanomaly

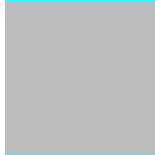
72.3547, 0.2321, 0.3120

Monochromacy



Original Color

72.6252, 0.2248, 0.3154



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.2685, 0.2630, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6252, 0.2248, 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(51, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.6252, 0.2248, 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(51, 244, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6252, 0.2248, 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(51, 244, 255) }
```

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

```
.background{ background-color: rgb(51, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor