

# Converting Colors

$Y_{xy}(72.0197, 0.2248, 0.3140)$

Have a look what the booklet for  
Yxy(72.0197, 0.2248, 0.3140)  
contains.

<b>Yxy(72.1055, 0.2249, 0.3141)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(72.1055, 0.2249, 0.3141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36F3FF
RGB	54, 243, 255
RGB Percent	21%, 95%, 100%
CMY	0.7879, 0.0471, 0.0000
CMYK	0.79, 0.05, 0.00, 0.00
HSL	184°, 100%, 61%
HSV	184°, 79%, 100%
XYZ	51.6285, 72.1055, 105.8282
YIQ	187.8570, -116.4960, -36.3360

# Conversions

## Conversions Part 2

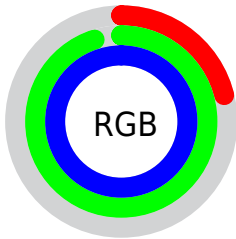
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	54, 151, 255
Decimal	3601407
CIE Lab	88.02, -40.40, -18.77
CIE LCh	88, 44.543, 204.919
Yxy	72.1055, 0.2249, 0.3141
Android (android.graphics.Color)	4281791487 (0xFF36F3FF)
YUV	187.8570, 33.1015, -117.3926
Hunter-Lab	84.9150, -40.0726, -14.4517

# Details

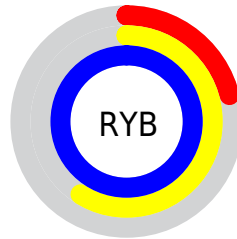
The Yxy color **72.1055, 0.2249, 0.3141** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.4348, 0.5818, 0.3374**, and the grayscale version is **50.0774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **39.1950, 0.2194, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **70.6667, 0.2215, 0.3121**, and if you desaturate by 10%, it is **73.9228, 0.2303, 0.3162**.

# Distribution



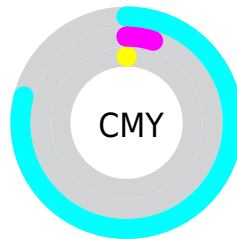
- Red (21%)
- Green (95%)
- Blue (100%)



- Red (21%)
- Yellow (59%)
- Blue (100%)



- Cyan (79%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (79%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1055, 0.2249, 0.3141 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 72.1055, 0.2249, 0.3141 by changing the saturation by 10% instead.





 72.1055, 0.2249,  
0.3141


 72.1055, 0.2249,  
0.3141

467.9087, 0.2641,  
0.3224

 53.2449, 0.2163,  
0.3119

 122.2065, 0.2382,  
0.3172


 37.9983, 0.2060,  
0.3090


 154.2157, 0.2435,  
0.3184

 25.9814, 0.1933,  
0.3052


 191.3765, 0.2480,  
0.3193

 16.8097, 0.1773,  
0.2998

 234.0733, 0.2520,  
0.3201

 10.0989, 0.1567,  
0.2919

282.6905, 0.2556,  
0.3208

 5.4646, 0.1296,  
0.2796

337.6126, 0.2587,

 2.5223, 0.0935,

0.3214

0.2587

399.2239, 0.2616,  
0.3219

0.8878, 0.0000,  
0.2303

0.0000, 0.0000,  
0.0000

72.1055, 0.2249,  
0.3141

72.1055, 0.2249,  
0.3141

70.6667, 0.2215,  
0.3121

73.9228, 0.2303,  
0.3162

69.5308, 0.2196,  
0.3101

76.1671, 0.2376,  
0.3182

69.4021, 0.2194,  
0.3099

78.8819, 0.2468,  
0.3203

82.1047, 0.2578,  
0.3223

85.8692, 0.2704,  
0.3242

90.2061, 0.2842,  
0.3260

95.1439, 0.2991,  
0.3276

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.



72.1055, 0.2562, 0.3685



72.1055, 0.2249, 0.3141



72.1055, 0.2157, 0.2707

# Triad

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



72.1055, 0.2249, 0.3141



72.1055, 0.3140, 0.2613



72.1055, 0.3999, 0.4098

# Complementary

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



72.1055, 0.2249, 0.3141



25.4348, 0.5818, 0.3374

# 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.



72.1055, 0.4200, 0.3740



72.1055, 0.2249, 0.3141



72.1055, 0.3685, 0.2921

# Square

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



72.1055, 0.2249, 0.3141



72.1055, 0.2636, 0.2452



72.1055, 0.4087, 0.3319



72.1055, 0.3569, 0.4269

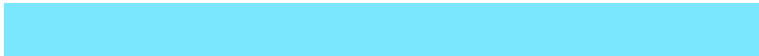


# Rectangle

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



72.1055, 0.2249, 0.3141



72.1055, 0.2222, 0.2529



72.1055, 0.4087, 0.3319



72.1055, 0.4097, 0.3993

# Sweetspot

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



72.1062, 0.2249, 0.3141



87.8722, 0.2769, 0.3250



72.6786, 0.2991, 0.5688



18.4865, 0.2720, 0.3244



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.



72.1062, 0.2249, 0.3141



69.9347, 0.2202, 0.3109



28.1054, 0.1897, 0.1799



20.2845, 0.2980, 0.3275



36.3441, 0.2195, 0.3102



3.5929, 0.2201, 0.3125



# Inverse Universe

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



30.3778, 0.3325, 0.1719



27.8641, 0.3359, 0.1637



48.2903, 0.4872, 0.4255



18.2805, 0.3147, 0.3070



14.3969, 0.3365, 0.1627

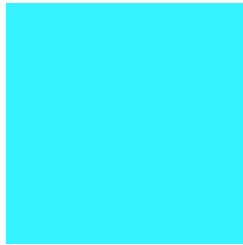


1.4072, 0.3346, 0.1617



# Previews

## White Background



This preview shows how the Yxy color 72.1055, 0.2249, 0.3141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

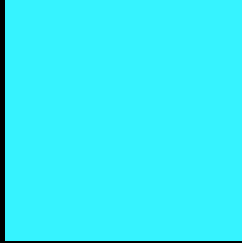
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1055, 0.2249, 0.3141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

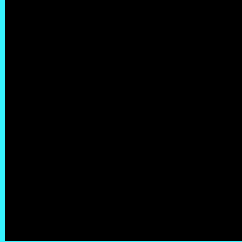
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1055, 0.2249, 0.3141**

## Background



This preview shows how black text looks on a background with the Yxy color 72.1055, 0.2249, 0.3141.

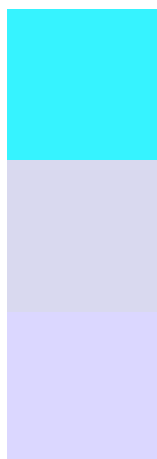


This preview shows how white text looks on a background with the Yxy color 72.1055, 0.2249, 0.3141.

# 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

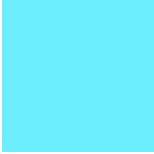
72.1055, 0.2249, 0.3141

### Protanopia

70.6094, 0.2984, 0.3053

### Deuteranopia

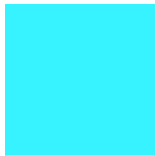
70.8809, 0.2898, 0.2870



## **Tritanopia**

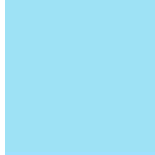
71.6203, 0.2367, 0.3086

# Trichromacy



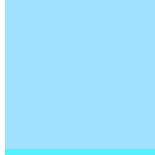
## Original Color

72.1055, 0.2249, 0.3141



## Protanomaly

68.2544, 0.2596, 0.3067



## Deuteranomaly

68.4414, 0.2550, 0.2945



## Tritanomaly

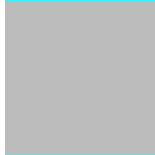
71.6640, 0.2312, 0.3107

# Monochromacy



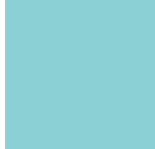
## Original Color

72.1055, 0.2249, 0.3141



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

55.3542, 0.2636, 0.3236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1055, 0.2249, 0.3141 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, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 243, 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(54, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1055, 0.2249, 0.3141 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, 243, 255) }
```

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

```
.border{ border-color:rgb(54, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1055, 0.2249, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 243, 255) }
```

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

```
.background{ background-color: rgb(54, 243,  
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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