

# Converting Colors

$Yxy(72.8654, 0.2313, 0.3134)$

Have a look what the booklet for  
Yxy(72.8654, 0.2313, 0.3134)  
contains.

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# Color

**Yxy(72.7505, 0.2313, 0.3132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57F2FF
RGB	87, 242, 255
RGB Percent	34%, 95%, 100%
CMY	0.6590, 0.0509, 0.0001
CMYK	0.66, 0.05, 0.00, 0.00
HSL	185°, 100%, 67%
HSV	185°, 66%, 100%
XYZ	53.7267, 72.7505, 105.8041
YIQ	197.1370, -96.5530, -28.8170

# Conversions

## Conversions Part 2

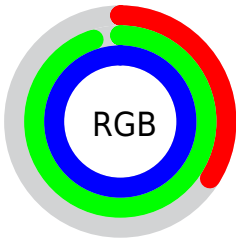
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 168, 255
Decimal	5763839
CIE <sub>Lab</sub>	88.33, -36.28, -18.22
CIE <sub>LCh</sub>	88, 40.595, 206.668
Yxy	72.7505, 0.2313, 0.3132
Android (android.graphics.Color)	4283953919 (0xFF57F2FF)
YUV	197.1370, 28.5265, -96.5901
Hunter-Lab	85.2939, -36.8271, -13.8415

# Details

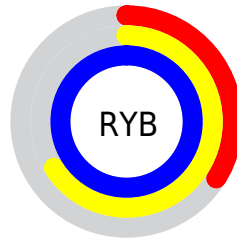
The Yxy color **72.7505, 0.2313, 0.3132** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **31.0455, 0.5218, 0.3410**, and the grayscale version is **55.7837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **38.7751, 0.2190, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **70.5699, 0.2252, 0.3105**, and if you desaturate by 10%, it is **75.3822, 0.2394, 0.3159**.

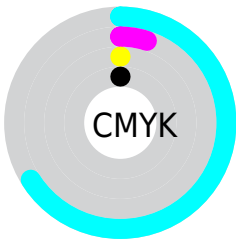
# Distribution



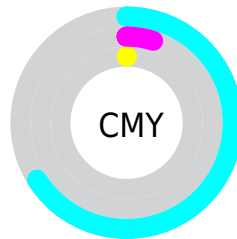
- Red (34%)
- Green (95%)
- Blue (100%)



- Red (34%)
- Yellow (66%)
- Blue (100%)



- Cyan (66%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7505, 0.2313, 0.3132 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 72.7505, 0.2313, 0.3132 by changing the saturation by 10% instead.




 72.7505, 0.2313,  
0.3132

 72.7505, 0.2313,  
0.3132


470.1496, 0.2677,  
0.3217


 53.7720, 0.2233,  
0.3110


 123.1229, 0.2437,  
0.3164


 38.4194, 0.2137,  
0.3082


 155.2857, 0.2486,  
0.3175

 26.3084, 0.2018,  
0.3044


 192.6119, 0.2528,  
0.3185

 17.0545, 0.1867,  
0.2992

 235.4860, 0.2565,  
0.3193

 10.2733, 0.1673,  
0.2916

284.2925, 0.2598,  
0.3201

 5.5806, 0.1414,  
0.2799

339.4156, 0.2627,

 2.5918, 0.1063,

0.3207

401.2399, 0.2654,  
0.3212

0.2601

0.9225, 0.0000,  
0.2373

0.0000, 0.0000,  
0.0000

72.7505, 0.2313,  
0.3132

72.7505, 0.2313,  
0.3132

70.5699, 0.2252,  
0.3105

75.3822, 0.2394,  
0.3159

68.7843, 0.2210,  
0.3079

78.4980, 0.2494,  
0.3185

67.3368, 0.2185,  
0.3053

82.1368, 0.2610,  
0.3210

66.8049, 0.2178,  
0.3042

86.3315, 0.2741,  
0.3235

■ 91.1121, 0.2884,  
0.3257

■ 96.5065, 0.3035,  
0.3278

99.9990, 0.3127,  
0.3290

# Harmonies

## Analogous

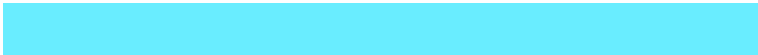
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7505, 0.2592, 0.3620



72.7505, 0.2313, 0.3132



72.7505, 0.2239, 0.2744

# Triad

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



72.7505, 0.2313, 0.3132



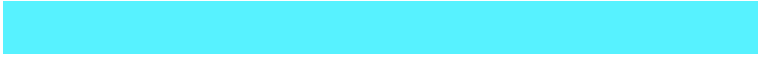
72.7505, 0.3171, 0.2682



72.7505, 0.3906, 0.4046

# Complementary

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



72.7505, 0.2313, 0.3132



31.0455, 0.5218, 0.3410

# 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.



72.7505, 0.4100, 0.3730



72.7505, 0.2313, 0.3132



72.7505, 0.3661, 0.2973

# Square

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



72.7505, 0.2313, 0.3132



72.7505, 0.2704, 0.2525



72.7505, 0.4012, 0.3345



72.7505, 0.3508, 0.4178

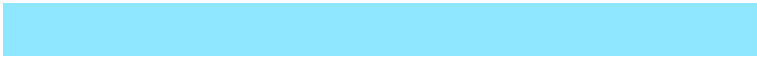


# Rectangle

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



72.7505, 0.2313, 0.3132



72.7505, 0.2307, 0.2586



72.7505, 0.4012, 0.3345



72.7505, 0.3999, 0.3955

# Sweetspot

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



72.7532, 0.2313, 0.3132



89.0904, 0.2824, 0.3248



74.4192, 0.2991, 0.5313



18.7832, 0.2784, 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.



72.7532, 0.2313, 0.3132



69.9854, 0.2237, 0.3097



34.3044, 0.2051, 0.2039



20.2272, 0.2980, 0.3271



35.0126, 0.2180, 0.3046



3.4775, 0.2188, 0.3076



# Inverse Universe

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



34.4777, 0.3322, 0.1888



30.1149, 0.3362, 0.1740



55.4709, 0.4532, 0.4210



18.2747, 0.3150, 0.3074



14.2625, 0.3414, 0.1654

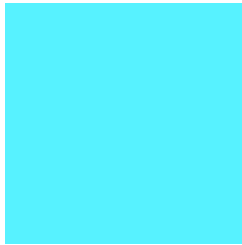


1.3956, 0.3388, 0.1640



# Previews

## White Background



This preview shows how the Yxy color 72.7505, 0.2313, 0.3132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

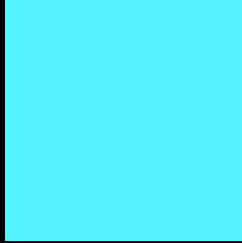
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.7505, 0.2313, 0.3132 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 72.7505, 0.2313, 0.3132**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.7505, 0.2313, 0.3132.

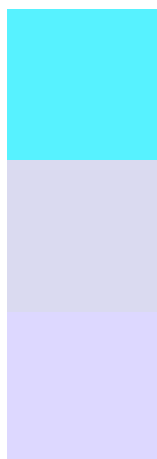


This preview shows how white text looks on a background with the Yxy color 72.7505, 0.2313, 0.3132.

# 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

72.7505, 0.2313, 0.3132

### Protanopia

71.3395, 0.2984, 0.3054

### Deuteranopia

71.7039, 0.2911, 0.2882



## Tritanopia

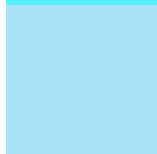
72.4340, 0.2409, 0.3088

# Trichromacy



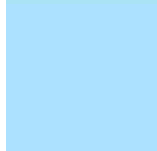
## Original Color

72.7505, 0.2313, 0.3132



## Protanomaly

70.0768, 0.2663, 0.3083



## Deuteranomaly

69.8411, 0.2619, 0.2951



## Tritanomaly

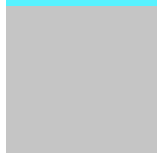
72.2042, 0.2369, 0.3098

# Monochromacy



## Original Color

72.7505, 0.2313, 0.3132



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

59.8186, 0.2716, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.7505, 0.2313, 0.3132 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(87, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.7505, 0.2313, 0.3132 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(87, 242, 255) }
```

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

```
.border{ border-color:rgb(87, 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(87, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.7505, 0.2313, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 242, 255) }
```

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

```
.background{ background-color: rgb(87, 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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