

# Converting Colors

$Y_{xy}(72.8581, 0.2466, 0.3312)$

Have a look what the booklet for  
Yxy(72.8581, 0.2466, 0.3312)  
contains.

<b>Yxy(72.8556, 0.2466, 0.3312)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.8556, 0.2466, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74F1EF
RGB	116, 241, 239
RGB Percent	45%, 95%, 94%
CMY	0.5448, 0.0549, 0.0627
CMYK	0.52, 0.00, 0.01, 0.05
HSL	179°, 82%, 70%
HSV	179°, 52%, 95%
XYZ	54.2457, 72.8556, 92.8733
YIQ	203.3970, -73.8580, -27.1220

# Conversions

## Conversions Part 2

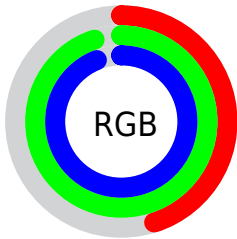
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 179, 241
Decimal	7664111
CIE <sub>Lab</sub>	88.38, -35.17, -9.71
CIE <sub>LCh</sub>	88, 36.482, 195.436
Yxy	72.8556, 0.2466, 0.3312
Android (android.graphics.Color)	4285854191 (0xFF74F1EF)
YUV	203.3970, 17.5523, -76.6472
Hunter-Lab	85.3555, -35.9305, -4.7632

# Details

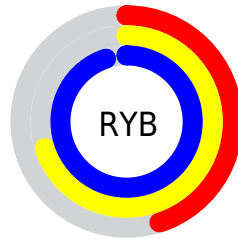
The Yxy color **72.8556, 0.2466, 0.3312** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.5170, 0.4611, 0.3273**, and the grayscale version is **59.9188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **38.3042, 0.2317, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **71.3918, 0.2388, 0.3317**, and if you desaturate by 10%, it is **74.7535, 0.2563, 0.3307**.

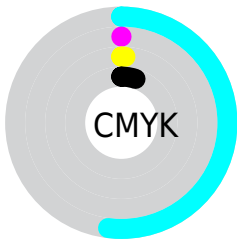
# Distribution



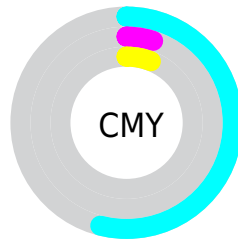
- Red (45%)
- Green (95%)
- Blue (94%)



- Red (45%)
- Yellow (70%)
- Blue (95%)



- Cyan (52%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (54%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8556, 0.2466, 0.3312 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 72.8556, 0.2466, 0.3312 by changing the saturation by 10% instead.




 72.8556, 0.2466,  
0.3312


 72.8556, 0.2466,  
0.3312


470.5142, 0.2766,  
0.3309


 53.8579, 0.2399,  
0.3311


 123.2722, 0.2569,  
0.3312

 38.4881, 0.2318,  
0.3309


 155.4599, 0.2609,  
0.3312

 26.3617, 0.2217,  
0.3305


 192.8130, 0.2644,  
0.3312

 17.0944, 0.2087,  
0.3297

235.7160, 0.2674,  
0.3311

 10.3018, 0.1915,  
0.3282

284.5532, 0.2701,  
0.3311

 5.5995, 0.1680,  
0.3252

339.7090, 0.2725,

 2.6031, 0.1344,

0.3310

401.5679, 0.2746,  
0.3310

0.3187

0.9282, 0.0082,  
0.3272

0.0000, 0.0000,  
0.0000

72.8556, 0.2466,  
0.3312

72.8556, 0.2466,  
0.3312

71.3918, 0.2388,  
0.3317

74.7535, 0.2563,  
0.3307

70.3197, 0.2329,  
0.3322

77.1072, 0.2678,  
0.3303

69.6033, 0.2290,  
0.3327

79.9471, 0.2807,  
0.3298

69.1956, 0.2268,  
0.3332

83.2984, 0.2948,  
0.3294

69.0320, 0.2260,  
0.3336

87.1848, 0.3099,  
0.3291

90.5369, 0.3218,  
0.3287

90.5598, 0.3215,  
0.3284

90.5828, 0.3213,  
0.3280

90.6058, 0.3210,  
0.3276

# Harmonies

## Analogous

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



72.8556, 0.2781, 0.3739



72.8556, 0.2466, 0.3312



72.8556, 0.2325, 0.2916

# Triad

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



72.8556, 0.2466, 0.3312



72.8556, 0.3002, 0.2668



72.8556, 0.3921, 0.3883

# Complementary

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



72.8556, 0.2466, 0.3312



32.5170, 0.4611, 0.3273

# 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.



72.8556, 0.4002, 0.3566



72.8556, 0.2466, 0.3312



72.8556, 0.3450, 0.2893

# Square

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



72.8556, 0.2466, 0.3312



72.8556, 0.2616, 0.2582



72.8556, 0.3826, 0.3212



72.8556, 0.3623, 0.4069

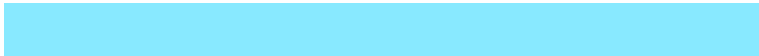


# Rectangle

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



72.8556, 0.2466, 0.3312



72.8556, 0.2339, 0.2727



72.8556, 0.3826, 0.3212



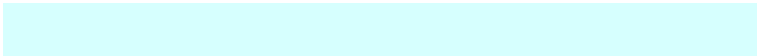
72.8556, 0.3976, 0.3787

# Sweetspot

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



72.8584, 0.2466, 0.3312



93.0246, 0.2887, 0.3296



68.0327, 0.3060, 0.4944



19.7434, 0.2858, 0.3297



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.



72.8584, 0.2466, 0.3312



81.1154, 0.2385, 0.3317



42.9606, 0.2300, 0.2499



17.9244, 0.2983, 0.3293



37.4384, 0.2260, 0.3336



3.1159, 0.2258, 0.3329



# Inverse Universe

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



32.5170, 0.4611, 0.3273



30.6996, 0.5094, 0.3273



51.1909, 0.4242, 0.3945



15.7629, 0.3291, 0.3287



10.1474, 0.6384, 0.3290

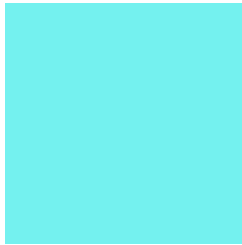


0.8456, 0.6339, 0.3266



# Previews

## White Background



This preview shows how the Yxy color 72.8556, 0.2466, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

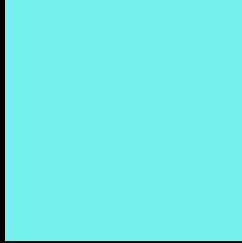
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8556, 0.2466, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

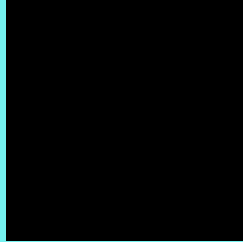
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.8556, 0.2466, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8556, 0.2466, 0.3312.

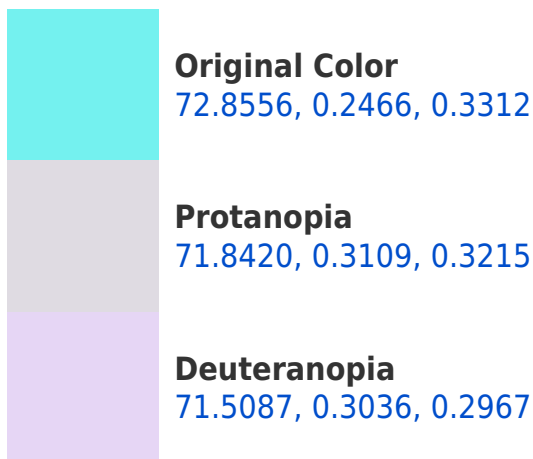


This preview shows how white text looks on a background with the Yxy color 72.8556, 0.2466, 0.3312.

# 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





## Tritanopia

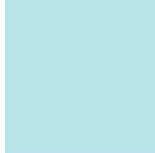
72.7749, 0.2454, 0.3079

# Trichromacy



## Original Color

72.8556, 0.2466, 0.3312



## Protanomaly

70.8980, 0.2821, 0.3243



## Deuteranomaly

70.6012, 0.2781, 0.3077



## Tritanomaly

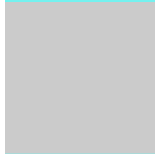
72.5007, 0.2458, 0.3158

# Monochromacy



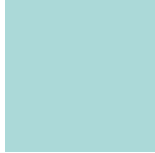
## Original Color

72.8556, 0.2466, 0.3312



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

63.2415, 0.2819, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8556, 0.2466, 0.3312 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(116, 241, 239)` looks like.

```
.text, #text, p{  
    color:rgb(116, 241, 239)  
}
```

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(116, 241, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 241, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8556, 0.2466, 0.3312 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(116, 241, 239) }
```

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

```
.border{ border-color:rgb(116, 241, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 241, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 241, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 241, 239);  
box-shadow:4px 4px 4px 4px rgb(116, 241,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8556, 0.2466, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 241, 239) }
```

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

```
.background{ background-color: rgb(116,  
241, 239) }
```

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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