

# Converting Colors

$Yxy(73.5599, 0.2452, 0.3288)$

Have a look what the booklet for  
Yxy(73.5599, 0.2452, 0.3288)  
contains.

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# Color

**Yxy(73.5599, 0.2452, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73F2F2
RGB	115, 242, 242
RGB Percent	45%, 95%, 95%
CMY	0.5487, 0.0510, 0.0510
CMYK	0.52, 0.00, 0.00, 0.05
HSL	180°, 83%, 70%
HSV	180°, 52%, 95%
XYZ	54.8567, 73.5599, 95.3057
YIQ	204.0270, -75.6920, -26.9240

# Conversions

## Conversions Part 2

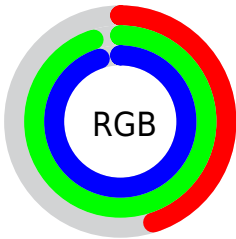
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 179, 242
Decimal	7598834
CIE <sub>Lab</sub>	88.71, -35.06, -10.77
CIE <sub>LCh</sub>	89, 36.677, 197.082
Yxy	73.5599, 0.2452, 0.3288
Android (android.graphics.Color)	4285788914 (0xFF73F2F2)
YUV	204.0270, 18.7207, -78.0767
Hunter-Lab	85.7671, -35.9236, -5.8470

# Details

The Yxy color **73.5599, 0.2452, 0.3288** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.3984, 0.4663, 0.3295**, and the grayscale version is **60.3319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **38.7786, 0.2299, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **72.1304, 0.2374, 0.3288**, and if you desaturate by 10%, it is **75.4257, 0.2549, 0.3288**.

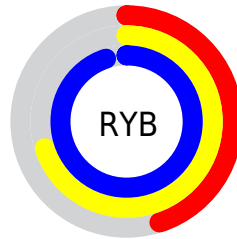
# Distribution



Red (45%)

Green (95%)

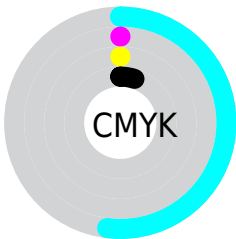
Blue (95%)



Red (45%)

Yellow (70%)

Blue (95%)

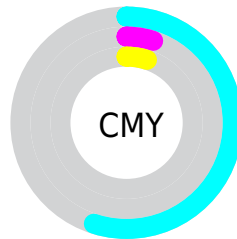


Cyan (52%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (55%)

Magenta (5%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5599, 0.2452, 0.3288 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 73.5599, 0.2452, 0.3288 by changing the saturation by 10% instead.




 73.5599, 0.2452,  
0.3288

 73.5599, 0.2452,  
0.3288


472.9530, 0.2757,  
0.3297


 54.4339, 0.2384,  
0.3284


 124.2717, 0.2556,  
0.3293

 38.9487, 0.2302,  
0.3279


 156.6264, 0.2597,  
0.3294

 26.7198, 0.2199,  
0.3270


 194.1593, 0.2633,  
0.3295

 17.3629, 0.2069,  
0.3256

237.2550, 0.2664,  
0.3295

 10.4936, 0.1896,  
0.3234

286.2979, 0.2691,  
0.3296

 5.7274, 0.1661,  
0.3192


341.6722, 0.2716,

 2.6800, 0.1327,


0.3296


0.3110

403.7625, 0.2737,  
0.3297

 0.9671, 0.0197,  
0.3121

 0.0000, 0.0000,  
0.0000


 73.5599, 0.2452,  
0.3288

 73.5599, 0.2452,  
0.3288


 72.1304, 0.2374,  
0.3288


 75.4257, 0.2549,  
0.3288

 71.0942, 0.2315,  
0.3288


 77.7501, 0.2664,  
0.3289

 70.4144, 0.2276,  
0.3288

 80.5637, 0.2794,  
0.3289


 70.0432, 0.2254,  
0.3287


 83.8923, 0.2937,  
0.3289


 69.9117, 0.2247,  
0.3287

 87.7597, 0.3089,  
0.3290

 91.1718, 0.3212,  
0.3290

 91.1718, 0.3212,  
0.3290

 91.1718, 0.3212,  
0.3290

 91.1718, 0.3212,  
0.3290

# Harmonies

## Analogous

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



73.5599, 0.2759, 0.3719



73.5599, 0.2452, 0.3288



73.5599, 0.2321, 0.2897

# Triad

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



73.5599, 0.2452, 0.3288



73.5599, 0.3025, 0.2676



73.5599, 0.3911, 0.3899

# Complementary

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



73.5599, 0.2452, 0.3288



32.3984, 0.4663, 0.3295

# 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.



73.5599, 0.4006, 0.3586



73.5599, 0.2452, 0.3288



73.5599, 0.3474, 0.2908

# Square

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



73.5599, 0.2452, 0.3288



73.5599, 0.2633, 0.2581



73.5599, 0.3844, 0.3231



73.5599, 0.3603, 0.4075

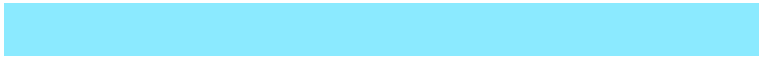


# Rectangle

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



73.5599, 0.2452, 0.3288



73.5599, 0.2342, 0.2714



73.5599, 0.3844, 0.3231



73.5599, 0.3970, 0.3805

# Sweetspot

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



73.5627, 0.2452, 0.3288



93.0662, 0.2884, 0.3289



68.5374, 0.3059, 0.4966



19.7534, 0.2854, 0.3289



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.



73.5627, 0.2452, 0.3288



81.1382, 0.2369, 0.3288



42.9702, 0.2290, 0.2488



17.9290, 0.2981, 0.3290



37.5589, 0.2247, 0.3287



3.1245, 0.2247, 0.3287



# Inverse Universe

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



32.3984, 0.4663, 0.3295



30.1423, 0.5173, 0.3296



51.3349, 0.4259, 0.3952



15.7589, 0.3293, 0.3291



10.1410, 0.6401, 0.3300

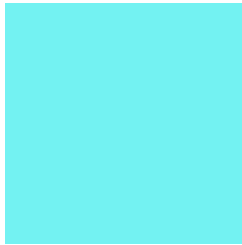


0.8436, 0.6401, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 73.5599, 0.2452, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

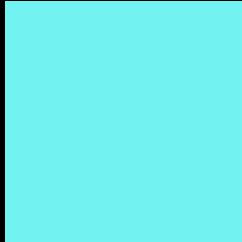
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.5599, 0.2452, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

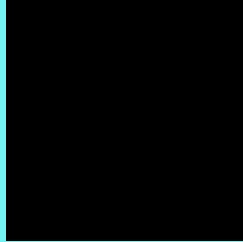
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.5599, 0.2452, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5599, 0.2452, 0.3288.

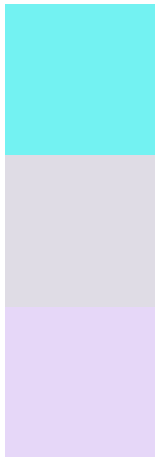


This preview shows how white text looks on a background with the Yxy color 73.5599, 0.2452, 0.3288.

# 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

73.5599, 0.2452, 0.3288

### Protanopia

72.5315, 0.3089, 0.3193

### Deuteranopia

72.2012, 0.3016, 0.2948



## Tritanopia

73.6874, 0.2473, 0.3092

# Trichromacy



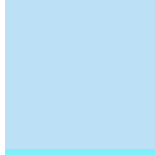
## Original Color

73.5599, 0.2452, 0.3288



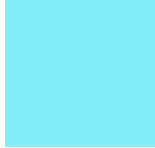
## Protanomaly

71.6177, 0.2805, 0.3221



## Deuteranomaly

71.1956, 0.2759, 0.3055



## Tritanomaly

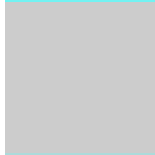
73.3023, 0.2464, 0.3159

# Monochromacy



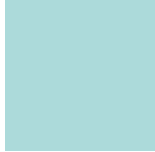
## Original Color

73.5599, 0.2452, 0.3288



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

63.9754, 0.2814, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5599, 0.2452, 0.3288 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(115, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(115, 242, 242)  
}
```

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(115, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 242, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5599, 0.2452, 0.3288 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(115, 242, 242) }
```

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

```
.border{ border-color:rgb(115, 242, 242) }
```

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

Here you see how a box with a 4 pixel rgb(115, 242, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(115, 242,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5599, 0.2452, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 242, 242) }
```

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

```
.background{ background-color: rgb(115,  
242, 242) }
```

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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