

# Converting Colors

$Yxy(77.3189, 0.2407, 0.3195)$

Have a look what the booklet for  
Yxy(77.3189, 0.2407, 0.3195)  
contains.

<b>Yxy(77.3189, 0.2407, 0.3195)</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(77.3189, 0.2407, 0.3195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72F7FF
RGB	114, 247, 255
RGB Percent	45%, 97%, 100%
CMY	0.5528, 0.0314, 0.0001
CMYK	0.55, 0.03, 0.00, 0.00
HSL	183°, 100%, 72%
HSV	183°, 55%, 100%
XYZ	58.2493, 77.3189, 106.4315
YIQ	208.1450, -81.8360, -25.7080

# Conversions

## Conversions Part 2

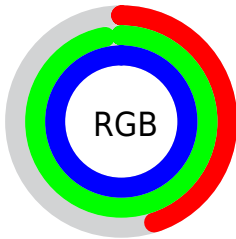
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">114, 182, 255</a>
Decimal	<a href="#">7534591</a>
CIELab	<a href="#">90.47, -34.21, -14.92</a>
CIELCh	<a href="#">90, 37.322, 203.566</a>
Yxy	<a href="#">77.3189, 0.2407, 0.3195</a>
Android (android.graphics.Color)	<a href="#">4285724671 (0xFF72F7FF)</a>
YUV	<a href="#">208.1450, 23.0995, -82.5652</a>
Hunter-Lab	<a href="#">87.9312, -35.6336, -10.2125</a>

# Details

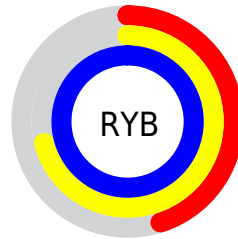
The Yxy color **77.3189, 0.2407, 0.3195** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.3906, 0.4749, 0.3373**, and the grayscale version is **63.0702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **41.3162, 0.2252, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **74.9652, 0.2328, 0.3176**, and if you desaturate by 10%, it is **80.1617, 0.2505, 0.3214**.

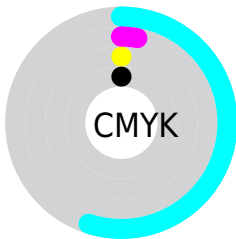
# Distribution



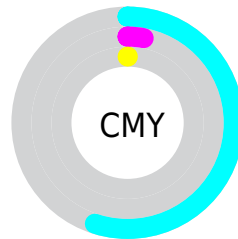
- Red (45%)
- Green (97%)
- Blue (100%)



- Red (45%)
- Yellow (71%)
- Blue (100%)



- Cyan (55%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (55%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3189, 0.2407, 0.3195 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 77.3189, 0.2407, 0.3195 by changing the saturation by 10% instead.




 77.3189, 0.2407,  
0.3195

 77.3189, 0.2407,  
0.3195

485.8506, 0.2728,  
0.3248

 57.5146, 0.2337,  
0.3181


 129.5895, 0.2516,  
0.3215

 41.4186, 0.2252,  
0.3163


 162.8247, 0.2559,  
0.3222

 28.6463, 0.2147,  
0.3139


 201.3057, 0.2596,  
0.3228

 18.8134, 0.2015,  
0.3105

245.4168, 0.2629,  
0.3233

 11.5355, 0.1843,  
0.3055

295.5424, 0.2658,  
0.3238

 6.4283, 0.1613,  
0.2977

352.0670, 0.2684,

 3.1072, 0.1294,

0.3242

0.2843

415.3750, 0.2707,  
0.3245

■ 1.1880, 0.0595,  
0.2654

■ 0.0518, 0.0000,  
0.0448

■ 77.3189, 0.2407,  
0.3195

■ 77.3189, 0.2407,  
0.3195

■ 74.9652, 0.2328,  
0.3176

■ 80.1617, 0.2505,  
0.3214

■ 73.0511, 0.2268,  
0.3156

■ 83.5208, 0.2621,  
0.3233

■ 71.5321, 0.2227,  
0.3137

■ 87.4318, 0.2751,  
0.3250

■ 70.3496, 0.2204,  
0.3118

■ 91.9245, 0.2894,  
0.3267

■ 69.8678, 0.2197,  
0.3109

■ 97.0266, 0.3045,  
0.3282

99.9978, 0.3127,  
0.3290

# Harmonies

## Analogous

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



77.3189, 0.2680, 0.3631



77.3189, 0.2407, 0.3195



77.3189, 0.2318, 0.2829

# Triad

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



77.3189, 0.2407, 0.3195



77.3189, 0.3122, 0.2716



77.3189, 0.3861, 0.3953

# Complementary

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



77.3189, 0.2407, 0.3195



36.3906, 0.4749, 0.3373

# 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.



77.3189, 0.4008, 0.3660



77.3189, 0.2407, 0.3195



77.3189, 0.3566, 0.2972

# Square

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



77.3189, 0.2407, 0.3195



77.3189, 0.2707, 0.2588



77.3189, 0.3900, 0.3307



77.3189, 0.3517, 0.4086

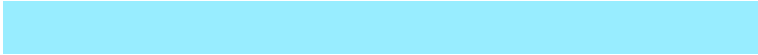


# Rectangle

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



77.3189, 0.2407, 0.3195



77.3189, 0.2367, 0.2671



77.3189, 0.3900, 0.3307



77.3189, 0.3936, 0.3868

# Sweetspot

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



77.3218, 0.2407, 0.3195



91.1322, 0.2868, 0.3264



76.4614, 0.3015, 0.4996



19.3070, 0.2839, 0.3261



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.



77.3218, 0.2407, 0.3195



74.8338, 0.2322, 0.3174



42.4245, 0.2219, 0.2308



20.2952, 0.2980, 0.3276



36.5946, 0.2198, 0.3112



3.6146, 0.2204, 0.3134



# Inverse Universe

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



40.0141, 0.3261, 0.2037



34.6505, 0.3288, 0.1862



59.9722, 0.4282, 0.4075



18.2816, 0.3147, 0.3069



14.4222, 0.3356, 0.1623

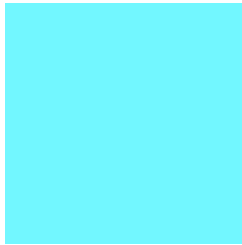


1.4094, 0.3338, 0.1612



# Previews

## White Background



This preview shows how the Yxy color 77.3189, 0.2407, 0.3195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

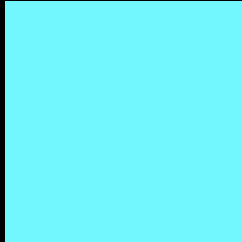
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.3189, 0.2407, 0.3195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

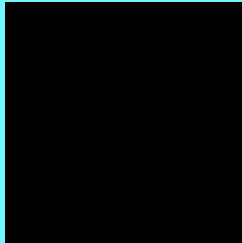
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.3189, 0.2407, 0.3195**

## Background



This preview shows how black text looks on a background with the Yxy color 77.3189, 0.2407, 0.3195.

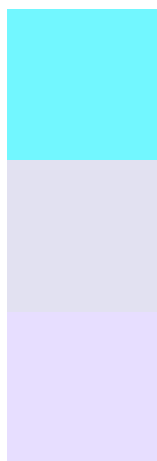


This preview shows how white text looks on a background with the Yxy color 77.3189, 0.2407, 0.3195.

# 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

77.3189, 0.2407, 0.3195

### Protanopia

76.3701, 0.3032, 0.3122

### Deuteranopia

76.4515, 0.2979, 0.2953



## Tritanopia

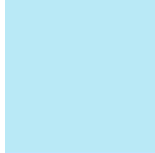
76.8093, 0.2571, 0.3120

# Trichromacy



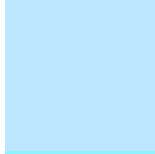
## Original Color

77.3189, 0.2407, 0.3195



## Protanomaly

75.2459, 0.2749, 0.3145



## Deuteranomaly

75.0632, 0.2717, 0.3027



## Tritanomaly

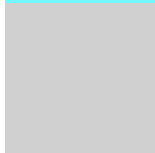
77.0720, 0.2504, 0.3151

# Monochromacy



## Original Color

77.3189, 0.2407, 0.3195



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

66.6775, 0.2790, 0.3254

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.3189, 0.2407, 0.3195 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(114, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 247, 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(114, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 247, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3189, 0.2407, 0.3195 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(114, 247, 255) }
```

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

```
.border{ border-color:rgb(114, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 247,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.3189, 0.2407, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 247, 255) }
```

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

```
.background{ background-color: rgb(114,  
247, 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