

Converting Colors

$Y_{xy}(68.3010, 0.2302, 0.2790)$

Have a look what the booklet for
Yxy(68.3010, 0.2302, 0.2790)
contains.

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Color

Yxy(67.0405, 0.2372, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	75E5FF
RGB	117, 229, 255
RGB Percent	46%, 90%, 100%
CMY	0.5408, 0.1020, 0.0000
CMYK	0.54, 0.10, 0.00, 0.00
HSL	191°, 100%, 73%
HSV	191°, 54%, 100%
XYZ	53.4162, 67.0405, 104.7381
YIQ	198.4760, -75.0980, -15.6580

Conversions

Conversions Part 2

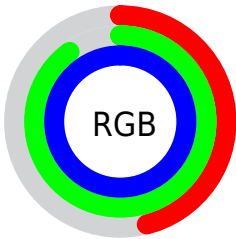
Format	Color
RYB	117, 179, 255
Decimal	7726591
CIELab	85.52, -24.99, -22.39
CIELCh	86, 33.549, 221.859
Yxy	67.0405, 0.2372, 0.2977
Android (android.graphics.Color)	4285916671 (0xFF75E5FF)
YUV	198.4760, 27.8663, -71.4545
Hunter-Lab	81.8783, -26.8361, -18.5286

Details

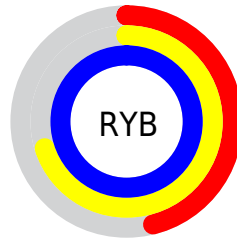
The Yxy color **67.0405, 0.2372, 0.2977** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.2266, 0.4575, 0.3558**, and the grayscale version is **56.6542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **34.5927, 0.2202, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **62.8834, 0.2273, 0.2909**, and if you desaturate by 10%, it is **71.7564, 0.2488, 0.3043**.

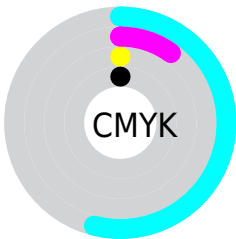
Distribution



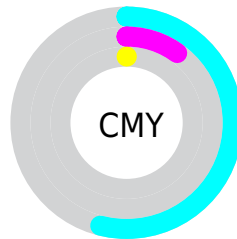
- Red (46%)
- Green (90%)
- Blue (100%)



- Red (46%)
- Yellow (70%)
- Blue (100%)



- Cyan (54%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (54%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0405, 0.2372, 0.2977 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 67.0405, 0.2372, 0.2977 by changing the saturation by 10% instead.


 67.0405, 0.2372,
0.2977

 67.0405, 0.2372,
0.2977


450.0889, 0.2715,
0.3132


 49.1175, 0.2296,
0.2939


 114.9784, 0.2489,
0.3033

 34.7127, 0.2203,
0.2892


 145.7622, 0.2536,
0.3054

 23.4417, 0.2087,
0.2830


 181.6017, 0.2576,
0.3072

 14.9200, 0.1940,
0.2747

222.8813, 0.2610,
0.3087

 8.7632, 0.1748,
0.2631

269.9855, 0.2641,
0.3101

 4.5871, 0.1488,
0.2458

323.2985, 0.2669,

 2.0071, 0.1128,

0.3113

0.2183

383.2049, 0.2693,
0.3123

0.6116, 0.0000,
0.1758

0.0000, 0.0000,
0.0000

67.0405, 0.2372,
0.2977

67.0405, 0.2372,
0.2977

62.8834, 0.2273,
0.2909

71.7564, 0.2488,
0.3043

59.2385, 0.2192,
0.2840

77.0614, 0.2619,
0.3106

56.0608, 0.2132,
0.2770

82.9901, 0.2761,
0.3165

53.2927, 0.2090,
0.2702

89.5727, 0.2910,
0.3220

■ 51.7979, 0.2073,
0.2662

■ 96.8373, 0.3064,
0.3271

100.0000, 0.3127,
0.3290

Harmonies

Analogous

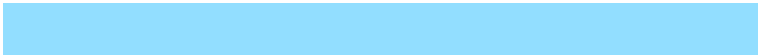
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0405, 0.2529, 0.3362



67.0405, 0.2372, 0.2977



67.0405, 0.2400, 0.2715

Triad

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



67.0405, 0.2372, 0.2977



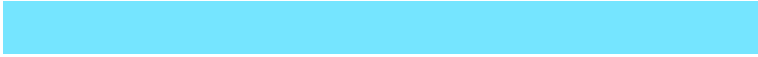
67.0405, 0.3383, 0.2882



67.0405, 0.3639, 0.4016

Complementary

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



67.0405, 0.2372, 0.2977



42.2266, 0.4575, 0.3558

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.



67.0405, 0.3900, 0.3823



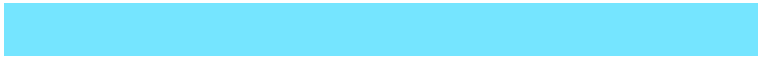
67.0405, 0.2372, 0.2977



67.0405, 0.3753, 0.3179

Square

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



67.0405, 0.2372, 0.2977



67.0405, 0.2961, 0.2682



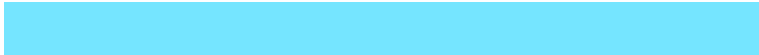
67.0405, 0.3946, 0.3515



67.0405, 0.3250, 0.4003

Rectangle

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



67.0405, 0.2372, 0.2977



67.0405, 0.2520, 0.2632



67.0405, 0.3946, 0.3515



67.0405, 0.3746, 0.3970

Sweetspot

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



67.0425, 0.2372, 0.2977



88.2540, 0.2881, 0.3210



77.2739, 0.2938, 0.4728



18.5939, 0.2850, 0.3199



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.



67.0425, 0.2372, 0.2977



62.5257, 0.2264, 0.2903



36.4196, 0.2188, 0.2091



19.8646, 0.2980, 0.3244



27.2740, 0.2076, 0.2673



2.7989, 0.2098, 0.2751

Inverse Universe

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



39.6640, 0.3432, 0.2204



33.8139, 0.3512, 0.2039



69.3014, 0.4141, 0.4231



18.2381, 0.3167, 0.3099



13.4813, 0.3754, 0.1842



1.3271, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 67.0405, 0.2372, 0.2977 looks on a white background.

Color Contrast Check

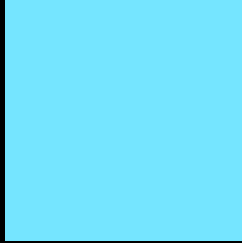
Large Text (above 18pt) WCAG AA × Fail

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 67.0405, 0.2372, 0.2977 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 67.0405, 0.2372, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 67.0405, 0.2372, 0.2977.

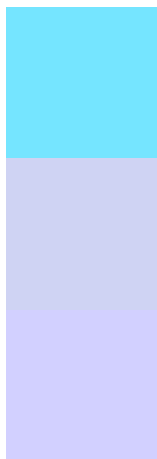


This preview shows how white text looks on a background with the Yxy color 67.0405, 0.2372, 0.2977.

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

67.0405, 0.2372, 0.2977

Protanopia

66.3250, 0.2889, 0.2939

Deuteranopia

66.0334, 0.2834, 0.2786



Tritanopia

67.0780, 0.2392, 0.3058

Trichromacy



Original Color

67.0405, 0.2372, 0.2977



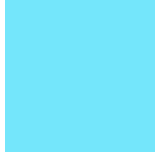
Protanomaly

65.8569, 0.2663, 0.2956



Deuteranomaly

65.5618, 0.2629, 0.2849



Tritanomaly

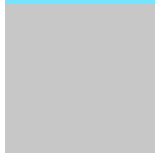
67.2717, 0.2387, 0.3035

Monochromacy



Original Color

67.0405, 0.2372, 0.2977



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.6427, 0.2782, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0405, 0.2372, 0.2977 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(117, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 229, 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(117, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.0405, 0.2372, 0.2977 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(117, 229, 255) }
```

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

```
.border{ border-color:rgb(117, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 229, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 229, 255); box-shadow:4px 4px 4px 4px rgb(117, 229, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0405, 0.2372, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 229, 255) }
```

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

```
.background{ background-color: rgb(117,  
229, 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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