

Converting Colors

$Y_{xy}(77.4665, 0.2359, 0.3216)$

Have a look what the booklet for
Yxy(77.4665, 0.2359, 0.3216)
contains.

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Color

Yxy(77.5128, 0.2360, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	61F9FF
RGB	97, 249, 255
RGB Percent	38%, 98%, 100%
CMY	0.6192, 0.0236, 0.0000
CMYK	0.62, 0.02, 0.00, 0.00
HSL	182°, 100%, 69%
HSV	182°, 62%, 100%
XYZ	56.8636, 77.5128, 106.5711
YIQ	204.2360, -92.5180, -30.3580

Conversions

Conversions Part 2

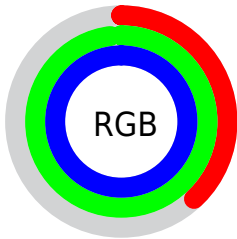
Format	Color
R_{YB}	97, 174, 255
Decimal	6420991
CIE _{Lab}	90.56, -37.99, -14.86
CIE _{LCh}	91, 40.789, 201.358
Yxy	77.5128, 0.2360, 0.3217
Android (android.graphics.Color)	4284611071 (0xFF61F9FF)
YUV	204.2360, 25.0267, -94.0460
Hunter-Lab	88.0414, -38.7839, -10.1396

Details

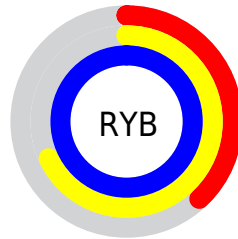
The Yxy color **77.5128, 0.2360, 0.3217** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.8493, 0.5078, 0.3351**, and the grayscale version is **60.4432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **41.7765, 0.2221, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **75.7330, 0.2296, 0.3204**, and if you desaturate by 10%, it is **79.7517, 0.2444, 0.3230**.

Distribution



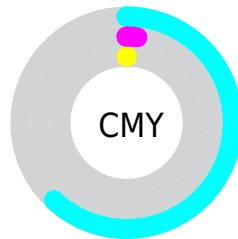
- Red (38%)
- Green (98%)
- Blue (100%)



- Red (38%)
- Yellow (68%)
- Blue (100%)



- Cyan (62%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5128, 0.2360, 0.3217 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 77.5128, 0.2360, 0.3217 by changing the saturation by 10% instead.

 77.5128, 0.2360,
0.3217

 77.5128, 0.2360,
0.3217

486.5107, 0.2701,
0.3261

 57.6738, 0.2286,
0.3205


 129.8631, 0.2475,
0.3234

 41.5465, 0.2196,
0.3189


 163.1432, 0.2521,
0.3240

 28.7464, 0.2085,
0.3167


 201.6725, 0.2561,
0.3245

 18.8890, 0.1946,
0.3135


245.8354, 0.2596,
0.3249

 11.5901, 0.1766,
0.3088

296.0163, 0.2627,
0.3253

 6.4652, 0.1526,
0.3013

352.5995, 0.2654,

 3.1300, 0.1197,

0.3256

0.2882

415.9695, 0.2679,
0.3259

■ 1.2000, 0.0415,
0.2716

■ 0.0617, 0.0000,
0.0525

■ 77.5128, 0.2360,
0.3217

■ 77.5128, 0.2360,
0.3217

■ 75.7330, 0.2296,
0.3204

■ 79.7517, 0.2444,
0.3230

■ 74.3586, 0.2251,
0.3191

■ 82.4799, 0.2546,
0.3243

■ 73.3385, 0.2225,
0.3179

■ 85.7351, 0.2665,
0.3255

■ 72.7070, 0.2214,
0.3169

■ 89.5489, 0.2799,
0.3267

■ 93.9503, 0.2944,
0.3278

■ 98.9664, 0.3097,
0.3288

■ 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.



77.5128, 0.2667, 0.3697



77.5128, 0.2360, 0.3217



77.5128, 0.2250, 0.2809

Triad

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



77.5128, 0.2360, 0.3217



77.5128, 0.3083, 0.2653



77.5128, 0.3945, 0.3989

Complementary

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



77.5128, 0.2360, 0.3217



31.8493, 0.5078, 0.3351

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.



77.5128, 0.4090, 0.3660



77.5128, 0.2360, 0.3217



77.5128, 0.3572, 0.2920

Square

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



77.5128, 0.2360, 0.3217



77.5128, 0.2641, 0.2526



77.5128, 0.3953, 0.3277



77.5128, 0.3581, 0.4159

Rectangle

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



77.5128, 0.2360, 0.3217



77.5128, 0.2293, 0.2630



77.5128, 0.3953, 0.3277



77.5128, 0.4023, 0.3891

Sweetspot

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



77.5157, 0.2360, 0.3217



90.7705, 0.2840, 0.3270



75.0344, 0.3015, 0.5246



19.1721, 0.2800, 0.3267



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.



77.5157, 0.2360, 0.3217



75.4145, 0.2285, 0.3201



38.8156, 0.2126, 0.2200



20.3559, 0.2980, 0.3280



38.0435, 0.2214, 0.3171



3.7396, 0.2218, 0.3185

Inverse Universe

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



36.6696, 0.3250, 0.1903



31.9579, 0.3272, 0.1739



55.3031, 0.4472, 0.4123



18.2877, 0.3144, 0.3065



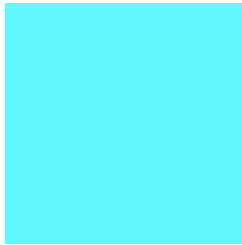
14.5685, 0.3307, 0.1595



1.4221, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 77.5128, 0.2360, 0.3217 looks on a white background.

Color Contrast Check

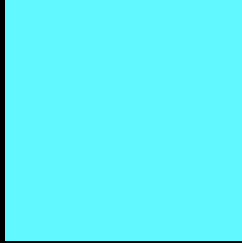
Large Text (above 18pt) WCAG AA × Fail

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 77.5128, 0.2360, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

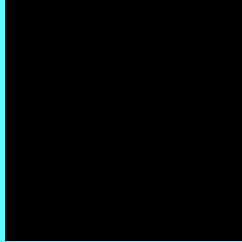
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5128, 0.2360, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 77.5128, 0.2360, 0.3217.

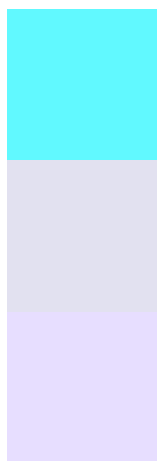


This preview shows how white text looks on a background with the Yxy color 77.5128, 0.2360, 0.3217.

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

77.5128, 0.2360, 0.3217

Protanopia

76.3104, 0.3039, 0.3133

Deuteranopia

76.4515, 0.2979, 0.2953



Tritanopia

77.0992, 0.2559, 0.3130

Trichromacy



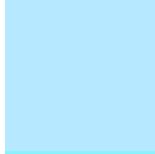
Original Color

77.5128, 0.2360, 0.3217



Protanomaly

75.0219, 0.2721, 0.3166



Deuteranomaly

74.8783, 0.2684, 0.3036



Tritanomaly

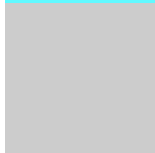
76.9897, 0.2473, 0.3162

Monochromacy



Original Color

77.5128, 0.2360, 0.3217



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.5134, 0.2744, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5128, 0.2360, 0.3217 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(97, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 249, 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(97, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.5128, 0.2360, 0.3217 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(97, 249, 255) }
```

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

```
.border{ border-color:rgb(97, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5128, 0.2360, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 249, 255) }
```

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

```
.background{ background-color: rgb(97, 249,  
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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