

Converting Colors

$Y_{xy}(77.7290, 0.2512, 0.3136)$

Have a look what the booklet for
Yxy(77.7290, 0.2512, 0.3136)
contains.

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Color

Yxy(77.3409, 0.2517, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	91F3FF
RGB	145, 243, 255
RGB Percent	57%, 95%, 100%
CMY	0.4318, 0.0470, 0.0000
CMYK	0.43, 0.05, 0.00, 0.00
HSL	187°, 100%, 78%
HSV	187°, 43%, 100%
XYZ	61.7598, 77.3409, 106.2701
YIQ	215.0660, -62.2600, -17.0440

Conversions

Conversions Part 2

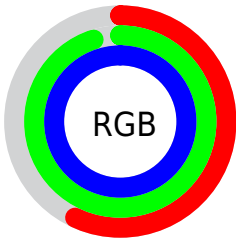
Format	Color
RYB	145, 197, 255
Decimal	9565183
CIELab	90.48, -25.89, -14.80
CIELCh	90, 29.821, 209.764
Yxy	77.3409, 0.2517, 0.3152
Android (android.graphics.Color)	4287755263 (0xFF91F3FF)
YUV	215.0660, 19.6875, -61.4479
Hunter-Lab	87.9437, -28.5470, -10.0848

Details

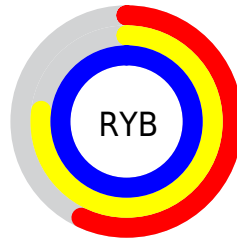
The Yxy color **77.3409, 0.2517, 0.3152** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.3605, 0.4213, 0.3419**, and the grayscale version is **67.8813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **41.5963, 0.2388, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **73.6378, 0.2409, 0.3115**, and if you desaturate by 10%, it is **81.5946, 0.2641, 0.3188**.

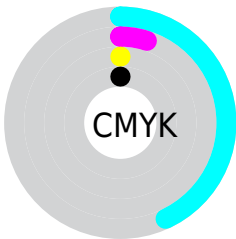
Distribution



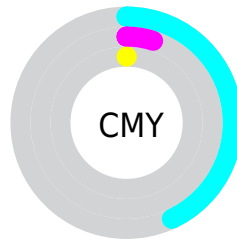
- Red (57%)
- Green (95%)
- Blue (100%)



- Red (57%)
- Yellow (77%)
- Blue (100%)



- Cyan (43%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (43%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3409, 0.2517, 0.3152 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 77.3409, 0.2517, 0.3152 by changing the saturation by 10% instead.


 77.3409, 0.2517,
0.3152


 77.3409, 0.2517,
0.3152

485.9255, 0.2790,
0.3222

 57.5327, 0.2457,
0.3135


 129.6206, 0.2610,
0.3177

 41.4331, 0.2384,
0.3113


 162.8609, 0.2646,
0.3187

 28.6576, 0.2294,
0.3085

201.3473, 0.2678,
0.3195

 18.8220, 0.2179,
0.3046

245.4643, 0.2706,
0.3202

 11.5417, 0.2029,
0.2991

295.5962, 0.2731,
0.3208

 6.4325, 0.1825,
0.2909

352.1275, 0.2753,

 3.1098, 0.1536,

0.3213

0.2772

415.4424, 0.2772,
0.3218

■ 1.1893, 0.1008,
0.2548

■ 0.0529, 0.0000,
0.0460

■ 77.3409, 0.2517,
0.3152

■ 77.3409, 0.2517,
0.3152

■ 73.6378, 0.2409,
0.3115

■ 81.5946, 0.2641,
0.3188

■ 70.4410, 0.2319,
0.3077

■ 86.4221, 0.2778,
0.3221

■ 67.7138, 0.2248,
0.3039

■ 91.8557, 0.2924,
0.3252

■ 65.4104, 0.2196,
0.3001

■ 97.9228, 0.3077,
0.3281

■ 63.4749, 0.2164,
0.2963

99.9993, 0.3127,
0.3290

■ 62.3112, 0.2149,
0.2937

Harmonies

Analogous

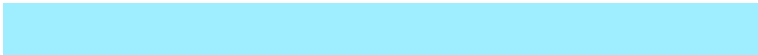
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3409, 0.2713, 0.3492



77.3409, 0.2517, 0.3152



77.3409, 0.2476, 0.2878

Triad

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



77.3409, 0.2517, 0.3152



77.3409, 0.3201, 0.2859



77.3409, 0.3671, 0.3860

Complementary

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



77.3409, 0.2517, 0.3152



47.3605, 0.4213, 0.3419

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.



77.3409, 0.3823, 0.3652



77.3409, 0.2517, 0.3152



77.3409, 0.3544, 0.3087

Square

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



77.3409, 0.2517, 0.3152



77.3409, 0.2854, 0.2730



77.3409, 0.3777, 0.3371



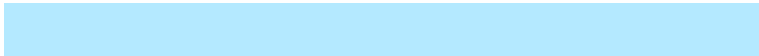
77.3409, 0.3376, 0.3919

Rectangle

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



77.3409, 0.2517, 0.3152



77.3409, 0.2538, 0.2765



77.3409, 0.3777, 0.3371



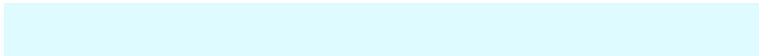
77.3409, 0.3741, 0.3803

Sweetspot

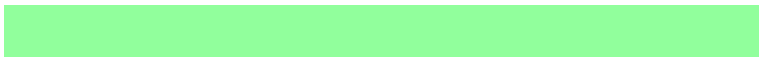
The Sweet Spot groups the original color and five complimentary colors.



77.3439, 0.2517, 0.3152



91.9691, 0.2927, 0.3253



79.9185, 0.3011, 0.4507



19.4164, 0.2894, 0.3246



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.



77.3439, 0.2517, 0.3152



74.0557, 0.2421, 0.3120



49.5909, 0.2405, 0.2490



20.1243, 0.2980, 0.3263



32.6979, 0.2151, 0.2944



3.2761, 0.2163, 0.2987

Inverse Universe

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



47.9450, 0.3278, 0.2328



41.6040, 0.3316, 0.2153



69.8602, 0.3955, 0.3969



18.2644, 0.3155, 0.3081



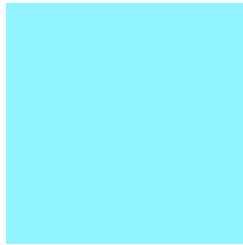
14.0288, 0.3504, 0.1704



1.3753, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 77.3409, 0.2517, 0.3152 looks on a white background.

Color Contrast Check

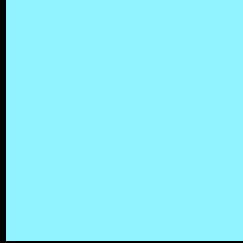
Large Text (above 18pt) WCAG AA × Fail

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 77.3409, 0.2517, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

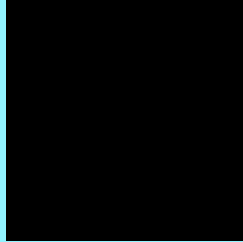
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

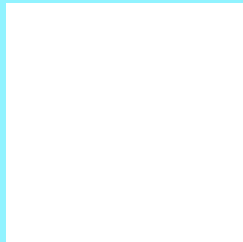
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3409, 0.2517, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 77.3409, 0.2517, 0.3152.

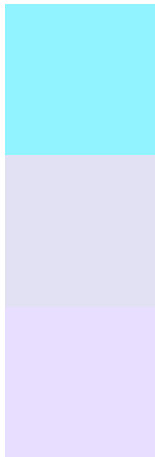


This preview shows how white text looks on a background with the Yxy color 77.3409, 0.2517, 0.3152.

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

77.3409, 0.2517, 0.3152

Protanopia

76.5508, 0.3014, 0.3092

Deuteranopia

76.6184, 0.2986, 0.2954



Tritanopia

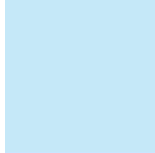
77.0600, 0.2609, 0.3110

Trichromacy



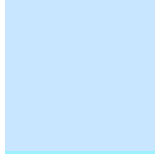
Original Color

77.3409, 0.2517, 0.3152



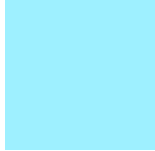
Protanomaly

76.3609, 0.2808, 0.3115



Deuteranomaly

76.0930, 0.2786, 0.3021



Tritanomaly

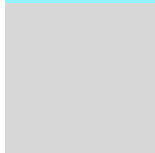
76.8093, 0.2571, 0.3120

Monochromacy



Original Color

77.3409, 0.2517, 0.3152



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.5107, 0.2863, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3409, 0.2517, 0.3152 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(145, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 243, 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(145, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.3409, 0.2517, 0.3152 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(145, 243, 255) }
```

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

```
.border{ border-color:rgb(145, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3409, 0.2517, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 243, 255) }
```

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

```
.background{ background-color: rgb(145,  
243, 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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