

Converting Colors

$Y_{xy}(82.7952, 0.2179, 0.2278)$

Have a look what the booklet for
Yxy(82.7952, 0.2179, 0.2278)
contains.

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Color

Yxy(75.6512, 0.2516, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	92F0FF
RGB	146, 240, 255
RGB Percent	57%, 94%, 100%
CMY	0.4274, 0.0588, 0.0000
CMYK	0.43, 0.06, 0.00, 0.00
HSL	188°, 100%, 79%
HSV	188°, 43%, 100%
XYZ	61.0646, 75.6512, 105.9893
YIQ	213.6040, -60.8390, -15.2630

Conversions

Conversions Part 2

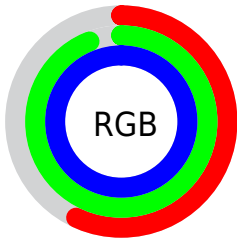
Format	Color
RYB	146, 196, 255
Decimal	9629951
CIELab	89.70, -24.15, -15.98
CIElCh	90, 28.957, 213.484
Yxy	75.6512, 0.2516, 0.3117
Android (android.graphics.Color)	4287820031 (0xFF92F0FF)
YUV	213.6040, 20.4082, -59.2887
Hunter-Lab	86.9777, -26.8911, -11.3653

Details

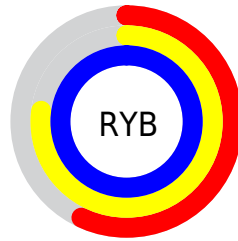
The Yxy color **75.6512, 0.2516, 0.3117** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8274, 0.4182, 0.3451**, and the grayscale version is **66.8593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **40.3844, 0.2383, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **71.5260, 0.2404, 0.3070**, and if you desaturate by 10%, it is **80.3434, 0.2643, 0.3162**.

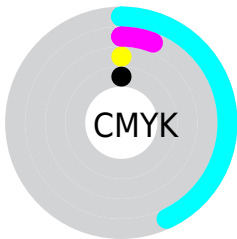
Distribution



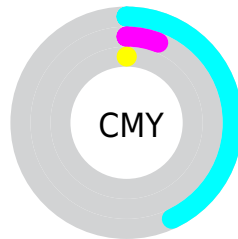
- Red (57%)
- Green (94%)
- Blue (100%)



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



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6512, 0.2516, 0.3117 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 75.6512, 0.2516, 0.3117 by changing the saturation by 10% instead.

 75.6512, 0.2516,
0.3117


 75.6512, 0.2516,
0.3117


480.1529, 0.2790,
0.3203

 56.1465, 0.2456,
0.3096


 127.2337, 0.2609,
0.3148

 40.3204, 0.2382,
0.3070


 160.0804, 0.2646,
0.3160

 27.7885, 0.2291,
0.3036


198.1432, 0.2678,
0.3170

 18.1663, 0.2175,
0.2990

241.8065, 0.2706,
0.3178

 11.0694, 0.2022,
0.2925

291.4547, 0.2731,
0.3186

 6.1135, 0.1815,
0.2828

347.4723, 0.2753,

 2.9142, 0.1521,

0.3192

0.2670

410.2435, 0.2773,
0.3198

■ 1.0871, 0.0957,
0.2416

■ 0.0000, 0.0000,
0.0000

■ 75.6512, 0.2516,
0.3117

■ 75.6512, 0.2516,
0.3117

■ 71.5260, 0.2404,
0.3070

■ 80.3434, 0.2643,
0.3162

■ 67.9236, 0.2309,
0.3021

■ 85.6257, 0.2783,
0.3205

■ 64.8074, 0.2233,
0.2972

■ 91.5307, 0.2931,
0.3244

■ 62.1317, 0.2177,
0.2923

■ 98.0857, 0.3084,
0.3281

■ 59.8413, 0.2140,
0.2874

99.9999, 0.3127,
0.3290

■ 58.3612, 0.2122,
0.2839

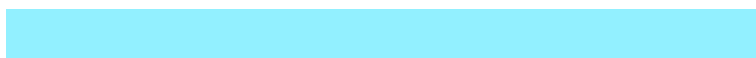
Harmonies

Analogous

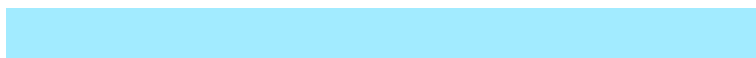
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6512, 0.2691, 0.3447



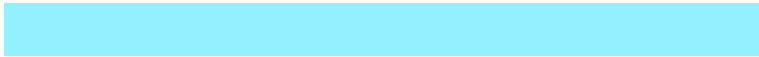
75.6512, 0.2516, 0.3117



75.6512, 0.2495, 0.2862

Triad

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



75.6512, 0.2516, 0.3117



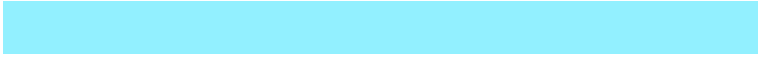
75.6512, 0.3243, 0.2891



75.6512, 0.3630, 0.3864

Complementary

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



75.6512, 0.2516, 0.3117



48.8274, 0.4182, 0.3451

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.



75.6512, 0.3799, 0.3675



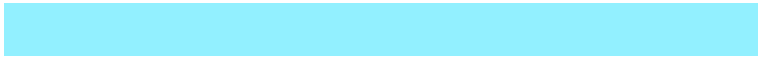
75.6512, 0.2516, 0.3117



75.6512, 0.3571, 0.3124

Square

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



75.6512, 0.2516, 0.3117



75.6512, 0.2899, 0.2751



75.6512, 0.3779, 0.3405



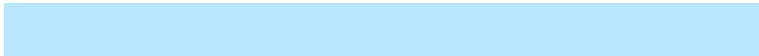
75.6512, 0.3330, 0.3899

Rectangle

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



75.6512, 0.2516, 0.3117



75.6512, 0.2569, 0.2762



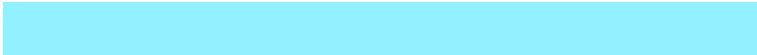
75.6512, 0.3779, 0.3405



75.6512, 0.3705, 0.3815

Sweetspot

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



75.6541, 0.2516, 0.3117



91.3702, 0.2927, 0.3243



80.1885, 0.2995, 0.4447



19.2670, 0.2893, 0.3235



0.0000, 0.0000, 0.0000



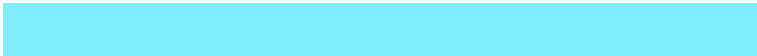
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6541, 0.2516, 0.3117



72.2063, 0.2422, 0.3078



48.4384, 0.2405, 0.2454



20.0301, 0.2980, 0.3256



30.6598, 0.2124, 0.2847



3.0977, 0.2140, 0.2903

Inverse Universe

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



48.1124, 0.3304, 0.2364



42.0352, 0.3346, 0.2202



71.9550, 0.3929, 0.3996



18.2548, 0.3159, 0.3087



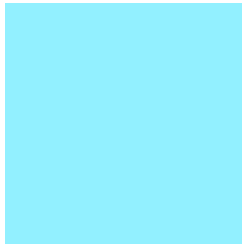
13.8231, 0.3591, 0.1752



1.3573, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 75.6512, 0.2516, 0.3117 looks on a white background.

Color Contrast Check

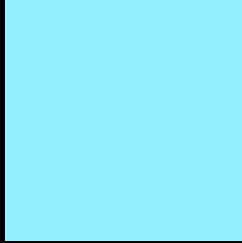
Large Text (above 18pt) WCAG AA × Fail

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 75.6512, 0.2516, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

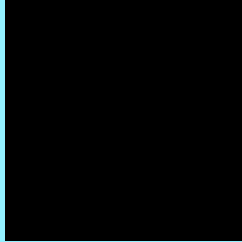
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.6512, 0.2516, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 75.6512, 0.2516, 0.3117.

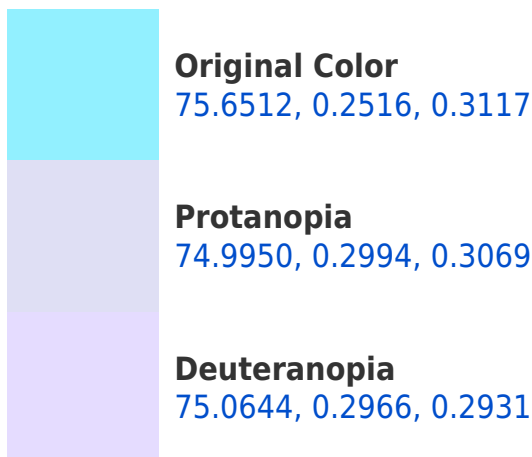


This preview shows how white text looks on a background with the Yxy color 75.6512, 0.2516, 0.3117.

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





Tritanopia

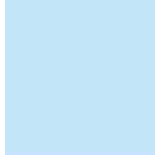
75.6382, 0.2568, 0.3097

Trichromacy



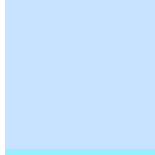
Original Color

75.6512, 0.2516, 0.3117



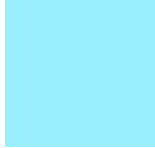
Protanomaly

74.4180, 0.2794, 0.3081



Deuteranomaly

74.3003, 0.2778, 0.2988



Tritanomaly

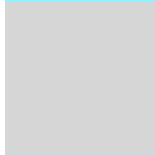
75.8230, 0.2551, 0.3107

Monochromacy



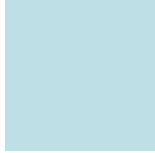
Original Color

75.6512, 0.2516, 0.3117



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.2513, 0.2861, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6512, 0.2516, 0.3117 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(146, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 240, 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(146, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.6512, 0.2516, 0.3117 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(146, 240, 255) }
```

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

```
.border{ border-color:rgb(146, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6512, 0.2516, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 240, 255) }
```

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

```
.background{ background-color: rgb(146,  
240, 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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