

Converting Colors

$Y_{xy}(72.5268, 0.2383, 0.2704)$

Have a look what the booklet for
Yxy(72.5268, 0.2383, 0.2704)
contains.

Yxy(70.7614, 0.2512, 0.3012)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.7614, 0.2512, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	95E7FF
RGB	149, 231, 255
RGB Percent	58%, 91%, 100%
CMY	0.4158, 0.0941, 0.0000
CMYK	0.42, 0.09, 0.00, 0.00
HSL	194°, 100%, 79%
HSV	194°, 42%, 100%
XYZ	59.0148, 70.7614, 105.1554
YIQ	209.2180, -56.5760, -9.9200

Conversions

Conversions Part 2

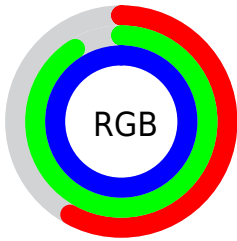
Format	Color
RYB	149, 195, 255
Decimal	9824255
CIELab	87.37, -19.00, -19.47
CIELCh	87, 27.202, 225.701
Yxy	70.7614, 0.2512, 0.3012
Android (android.graphics.Color)	4288014335 (0xFF95E7FF)
YUV	209.2180, 22.5705, -52.8112
Hunter-Lab	84.1198, -21.9817, -15.2326

Details

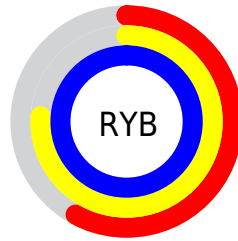
The Yxy color **70.7614, 0.2512, 0.3012** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.2980, 0.4097, 0.3545**, and the grayscale version is **63.7841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **37.0125, 0.2377, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **65.4465, 0.2387, 0.2933**, and if you desaturate by 10%, it is **76.7130, 0.2649, 0.3087**.

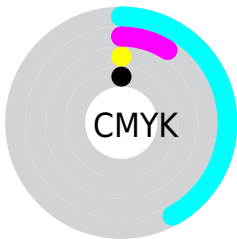
Distribution



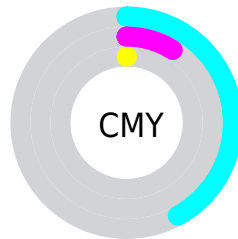
- Red (58%)
- Green (91%)
- Blue (100%)



- Red (58%)
- Yellow (76%)
- Blue (100%)



- Cyan (42%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7614, 0.2512, 0.3012 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 70.7614, 0.2512, 0.3012 by changing the saturation by 10% instead.


 70.7614, 0.2512,
0.3012


 70.7614, 0.2512,
0.3012


463.2189, 0.2791,
0.3147

 52.1475, 0.2450,
0.2980


 120.2939, 0.2608,
0.3060

 37.1227, 0.2374,
0.2940

 151.9813, 0.2645,
0.3078

 25.3025, 0.2280,
0.2888


188.7954, 0.2678,
0.3094

 16.3026, 0.2159,
0.2820


231.1205, 0.2706,
0.3107

 9.7385, 0.1999,
0.2725

279.3410, 0.2731,
0.3119

 5.2259, 0.1781,
0.2585

333.8413, 0.2753,

 2.3804, 0.1468,

0.3129

0.2363

395.0058, 0.2773,
0.3139

0.8158, 0.0773,
0.2023

0.0000, 0.0000,
0.0000

70.7614, 0.2512,
0.3012

70.7614, 0.2512,
0.3012

65.4465, 0.2387,
0.2933

76.7130, 0.2649,
0.3087

60.7247, 0.2278,
0.2850

83.3259, 0.2796,
0.3157

56.5589, 0.2188,
0.2766

90.6327, 0.2948,
0.3222

52.9034, 0.2117,
0.2682

98.6614, 0.3103,
0.3281

■ 49.7034, 0.2066,
0.2598

100.0000, 0.3127,
0.3290

■ 47.2933, 0.2036,
0.2528

Harmonies

Analogous

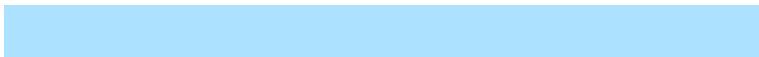
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7614, 0.2623, 0.3309



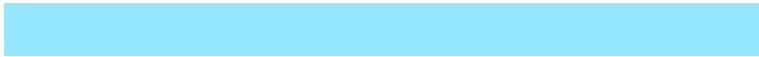
70.7614, 0.2512, 0.3012



70.7614, 0.2554, 0.2813

Triad

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



70.7614, 0.2512, 0.3012



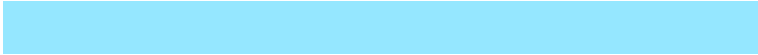
70.7614, 0.3375, 0.2989



70.7614, 0.3504, 0.3876

Complementary

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



70.7614, 0.2512, 0.3012



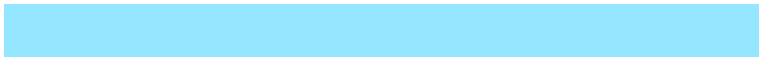
53.2980, 0.4097, 0.3545

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.



70.7614, 0.3726, 0.3748



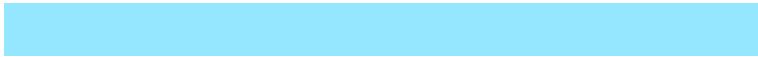
70.7614, 0.2512, 0.3012



70.7614, 0.3654, 0.3239

Square

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



70.7614, 0.2512, 0.3012



70.7614, 0.3039, 0.2812



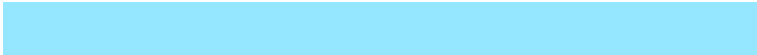
70.7614, 0.3784, 0.3513



70.7614, 0.3188, 0.3835

Rectangle

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



70.7614, 0.2512, 0.3012



70.7614, 0.2665, 0.2753



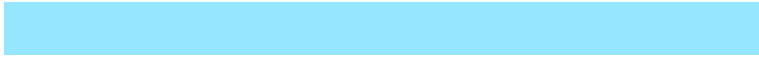
70.7614, 0.3784, 0.3513



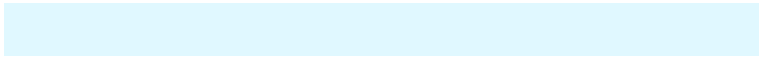
70.7614, 0.3593, 0.3850

Sweetspot

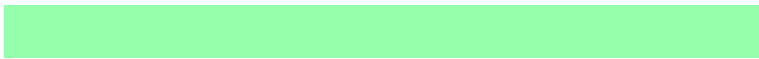
The Sweet Spot groups the original color and five complimentary colors.



70.7641, 0.2512, 0.3012



90.3135, 0.2941, 0.3220



80.8824, 0.2954, 0.4299



19.1187, 0.2921, 0.3211



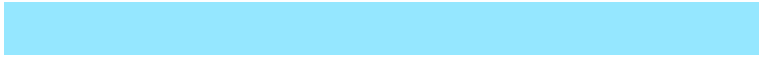
0.0000, 0.0000, 0.0000



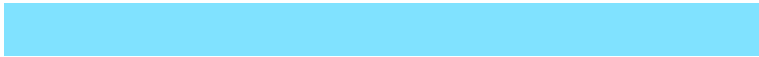
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7641, 0.2512, 0.3012



66.2475, 0.2406, 0.2946



45.8495, 0.2407, 0.2371



19.7433, 0.2980, 0.3235



24.9468, 0.2039, 0.2541



2.5914, 0.2066, 0.2637

Inverse Universe

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



48.5137, 0.3381, 0.2470



42.0677, 0.3450, 0.2317



77.2557, 0.3867, 0.4060



18.2259, 0.3173, 0.3108



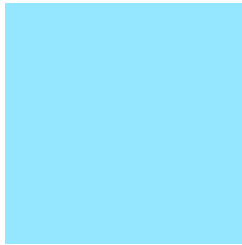
13.2464, 0.3881, 0.1912



1.3062, 0.3789, 0.1861

Previews

White Background



This preview shows how the Yxy color 70.7614, 0.2512, 0.3012 looks on a white background.

Color Contrast Check

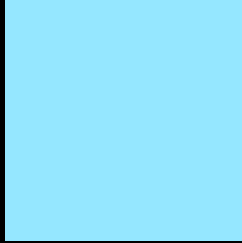
Large Text (above 18pt) WCAG AA × Fail

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 70.7614, 0.2512, 0.3012 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 70.7614, 0.2512, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 70.7614, 0.2512, 0.3012.

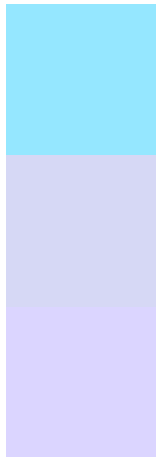


This preview shows how white text looks on a background with the Yxy color 70.7614, 0.2512, 0.3012.

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

70.7614, 0.2512, 0.3012

Protanopia

70.0004, 0.2926, 0.2978

Deuteranopia

69.8686, 0.2897, 0.2849



Tritanopia

70.9113, 0.2533, 0.3079

Trichromacy



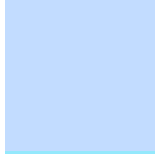
Original Color

70.7614, 0.2512, 0.3012



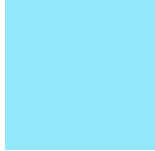
Protanomaly

69.4996, 0.2751, 0.2978



Deuteranomaly

69.8757, 0.2741, 0.2907



Tritanomaly

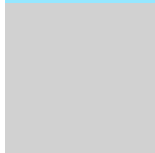
71.0374, 0.2523, 0.3057

Monochromacy



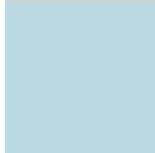
Original Color

70.7614, 0.2512, 0.3012



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.6815, 0.2862, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7614, 0.2512, 0.3012 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(149, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 231, 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(149, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.7614, 0.2512, 0.3012 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(149, 231, 255) }
```

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

```
.border{ border-color:rgb(149, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7614, 0.2512, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 231, 255) }
```

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

```
.background{ background-color: rgb(149,  
231, 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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