

Converting Colors

$Y_{xy}(70.6213, 0.2517, 0.3021)$

Have a look what the booklet for
Yxy(70.6213, 0.2517, 0.3021)
contains.

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Color

Yxy(70.6971, 0.2517, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	95E7FE
RGB	149, 231, 254
RGB Percent	58%, 91%, 100%
CMY	0.4155, 0.0941, 0.0039
CMYK	0.41, 0.09, 0.00, 0.00
HSL	193°, 98%, 79%
HSV	193°, 41%, 100%
XYZ	58.8636, 70.6971, 104.3034
YIQ	209.1040, -56.2550, -10.2310

Conversions

Conversions Part 2

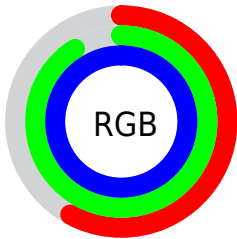
Format	Color
R _Y B	149, 195, 254
Decimal	9824254
CIE Lab	87.34, -19.23, -18.99
CIE LCh	87, 27.023, 224.639
Yxy	70.6971, 0.2517, 0.3023
Android (android.graphics.Color)	4288014334 (0xFF95E7FE)
YUV	209.1040, 22.1337, -52.7112
Hunter-Lab	84.0816, -22.1790, -14.6923

Details

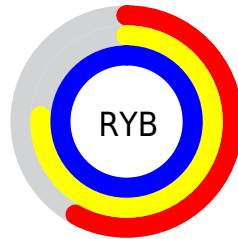
The Yxy color **70.6971, 0.2517, 0.3023** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.7595, 0.4091, 0.3535**, and the grayscale version is **63.7190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **36.9665, 0.2382, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **65.4990, 0.2393, 0.2947**, and if you desaturate by 10%, it is **76.5207, 0.2654, 0.3096**.

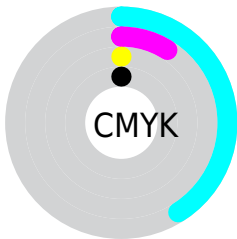
Distribution



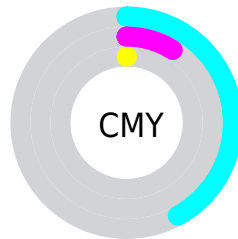
- Red (58%)
- Green (91%)
- Blue (100%)



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



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6971, 0.2517, 0.3023 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 70.6971, 0.2517, 0.3023 by changing the saturation by 10% instead.


 70.6971, 0.2517,
0.3023

 70.6971, 0.2517,
0.3023


462.9939, 0.2794,
0.3153

 52.0950, 0.2455,
0.2992

 120.2023, 0.2612,
0.3069

 37.0808, 0.2380,
0.2953


 151.8743, 0.2649,
0.3087

 25.2701, 0.2286,
0.2904


188.6717, 0.2681,
0.3102

 16.2784, 0.2166,
0.2837

230.9789, 0.2709,
0.3115

 9.7214, 0.2007,
0.2745

279.1803, 0.2734,
0.3126

 5.2146, 0.1790,
0.2608

333.6604, 0.2756,

 2.3737, 0.1477,

0.3136

394.8034, 0.2776,
0.3145

0.2392

0.8123, 0.0768,
0.2060

0.0000, 0.0000,
0.0000

70.6971, 0.2517,
0.3023

70.6971, 0.2517,
0.3023

65.4990, 0.2393,
0.2947

76.5207, 0.2654,
0.3096

60.8830, 0.2284,
0.2867

82.9935, 0.2800,
0.3163

56.8127, 0.2194,
0.2786

90.1480, 0.2952,
0.3226

53.2431, 0.2124,
0.2704

98.0115, 0.3107,
0.3283

■ 50.1204, 0.2073,
0.2623

99.9354, 0.3133,
0.3300

■ 47.7010, 0.2043,
0.2553

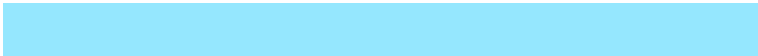
Harmonies

Analogous

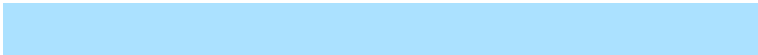
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6971, 0.2632, 0.3320



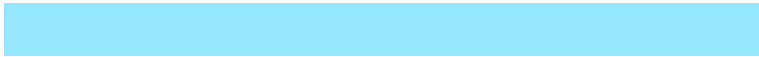
70.6971, 0.2517, 0.3023



70.6971, 0.2554, 0.2821

Triad

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



70.6971, 0.2517, 0.3023



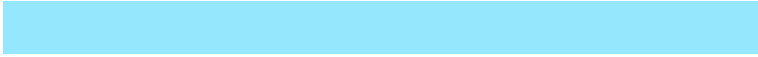
70.6971, 0.3362, 0.2983



70.6971, 0.3512, 0.3870

Complementary

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



70.6971, 0.2517, 0.3023



52.7595, 0.4091, 0.3535

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.



70.6971, 0.3728, 0.3739



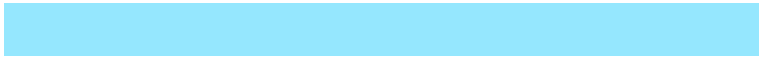
70.6971, 0.2517, 0.3023



70.6971, 0.3643, 0.3230

Square

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



70.6971, 0.2517, 0.3023



70.6971, 0.3028, 0.2811



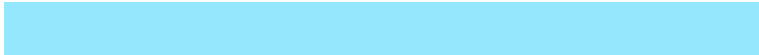
70.6971, 0.3779, 0.3502



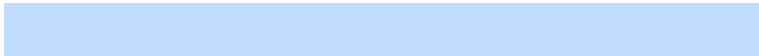
70.6971, 0.3199, 0.3836

Rectangle

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



70.6971, 0.2517, 0.3023



70.6971, 0.2660, 0.2758



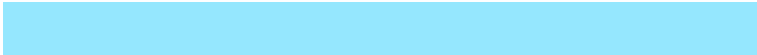
70.6971, 0.3779, 0.3502



70.6971, 0.3599, 0.3843

Sweetspot

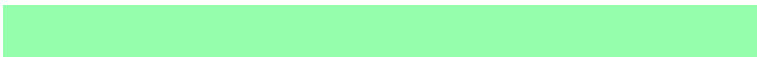
The Sweet Spot groups the original color and five complimentary colors.



70.6998, 0.2517, 0.3023



90.4480, 0.2941, 0.3222



80.2434, 0.2955, 0.4291



19.1505, 0.2921, 0.3214



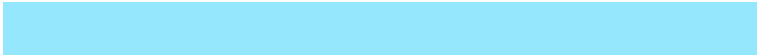
0.0000, 0.0000, 0.0000



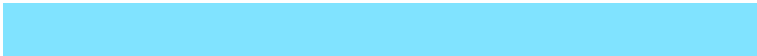
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6998, 0.2517, 0.3023



66.7441, 0.2408, 0.2957



45.6996, 0.2412, 0.2378



19.7663, 0.2980, 0.3237



25.3775, 0.2046, 0.2567



2.6300, 0.2072, 0.2659

Inverse Universe

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



48.3468, 0.3372, 0.2469



42.1178, 0.3441, 0.2309



76.6906, 0.3861, 0.4055



18.2282, 0.3172, 0.3106



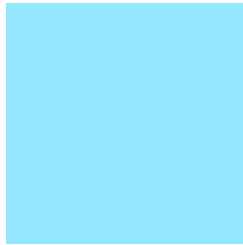
13.2898, 0.3857, 0.1898



1.3100, 0.3768, 0.1849

Previews

White Background



This preview shows how the Yxy color 70.6971, 0.2517, 0.3023 looks on a white background.

Color Contrast Check

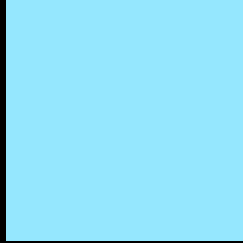
Large Text (above 18pt) WCAG AA × Fail

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 70.6971, 0.2517, 0.3023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

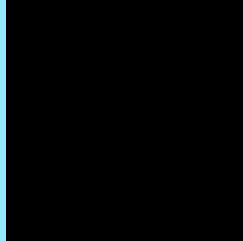
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6971, 0.2517, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 70.6971, 0.2517, 0.3023.



This preview shows how white text looks on a background with the Yxy color 70.6971, 0.2517, 0.3023.

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

70.6971, 0.2517, 0.3023

Protanopia

69.9395, 0.2932, 0.2989

Deuteranopia

69.8686, 0.2897, 0.2849



Tritanopia

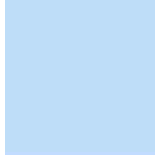
70.9113, 0.2533, 0.3079

Trichromacy



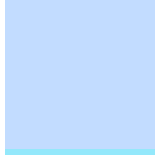
Original Color

70.6971, 0.2517, 0.3023



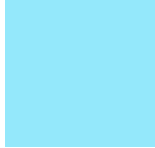
Protanomaly

69.4374, 0.2756, 0.2989



Deuteranomaly

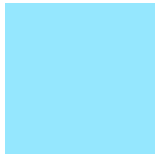
69.8757, 0.2741, 0.2907



Tritanomaly

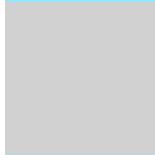
70.9742, 0.2528, 0.3068

Monochromacy



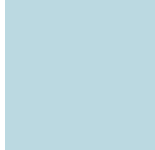
Original Color

70.6971, 0.2517, 0.3023



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.6267, 0.2869, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6971, 0.2517, 0.3023 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(149, 231, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 231, 254) }
```

Border

The CSS property to change the border of an element to Yxy 70.6971, 0.2517, 0.3023 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, 254) }
```

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

```
.border{ border-color:rgb(149, 231, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 231, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 231, 254);  
box-shadow:4px 4px 4px 4px rgb(149, 231,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6971, 0.2517, 0.3023 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, 254) }
```

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

```
.background{ background-color: rgb(149,  
231, 254) }
```

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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