

Converting Colors

$Yxy(69.9112, 0.2516, 0.3062)$

Have a look what the booklet for
Yxy(69.9112, 0.2516, 0.3062)
contains.

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Color

Yxy(70.0737, 0.2517, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	91E7FA
RGB	145, 231, 250
RGB Percent	57%, 91%, 98%
CMY	0.4309, 0.0942, 0.0195
CMYK	0.42, 0.08, 0.00, 0.02
HSL	191°, 91%, 77%
HSV	191°, 42%, 98%
XYZ	57.5263, 70.0737, 100.9509
YIQ	207.4520, -57.3550, -12.3230

Conversions

Conversions Part 2

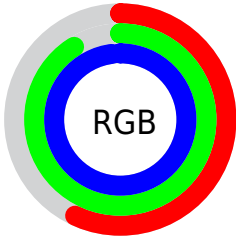
Format	Color
RYB	145, 192, 250
Decimal	9562106
CIELab	87.03, -21.17, -17.38
CIELCh	87, 27.387, 219.384
Yxy	70.0737, 0.2517, 0.3066
Android (android.graphics.Color)	4287752186 (0xFF91E7FA)
YUV	207.4520, 20.9762, -54.7704
Hunter-Lab	83.7100, -23.8258, -12.9043

Details

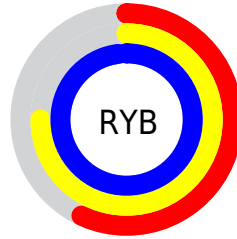
The Yxy color **70.0737, 0.2517, 0.3066** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.9846, 0.4130, 0.3497**, and the grayscale version is **62.6125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **36.5812, 0.2374, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **65.5402, 0.2398, 0.3003**, and if you desaturate by 10%, it is **75.1784, 0.2649, 0.3126**.

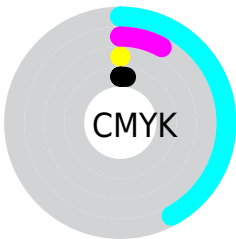
Distribution



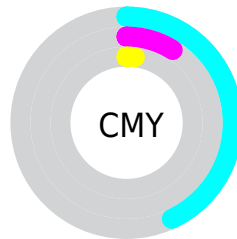
- Red (57%)
- Green (91%)
- Blue (98%)



- Red (57%)
- Yellow (75%)
- Blue (98%)



- Cyan (42%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)





- Cyan (43%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0737, 0.2517, 0.3066 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 70.0737, 0.2517, 0.3066 by changing the saturation by 10% instead.


 70.0737, 0.2517,
0.3066

 70.0737, 0.2517,
0.3066


460.8087, 0.2794,
0.3176

 51.5866, 0.2455,
0.3039


 119.3138, 0.2612,
0.3106

 36.6757, 0.2379,
0.3006


 150.8357, 0.2649,
0.3121

 24.9565, 0.2285,
0.2962


187.4713, 0.2682,
0.3133

 16.0446, 0.2164,
0.2903

229.6050, 0.2710,
0.3144

 9.5557, 0.2003,
0.2821

277.6212, 0.2735,
0.3154

 5.1054, 0.1782,
0.2697

331.9043, 0.2757,

 2.3092, 0.1464,

0.3162

0.2496

392.8387, 0.2777,
0.3170

0.7786, 0.0632,
0.2203

0.0000, 0.0000,
0.0000

70.0737, 0.2517,
0.3066

70.0737, 0.2517,
0.3066

65.5402, 0.2398,
0.3003

75.1784, 0.2649,
0.3126

61.5361, 0.2296,
0.2938

80.8766, 0.2792,
0.3182

58.0264, 0.2213,
0.2872

87.1994, 0.2942,
0.3234

54.9681, 0.2149,
0.2806

94.1730, 0.3097,
0.3281

■ 52.3089, 0.2104,
0.2740

■ 98.8378, 0.3157,
0.3325

■ 50.3959, 0.2080,
0.2687

■ 99.6834, 0.3156,
0.3338

Harmonies

Analogous

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



70.0737, 0.2660, 0.3378



70.0737, 0.2517, 0.3066



70.0737, 0.2527, 0.2840

Triad

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



70.0737, 0.2517, 0.3066



70.0737, 0.3307, 0.2941



70.0737, 0.3566, 0.3867

Complementary

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



70.0737, 0.2517, 0.3066



48.9846, 0.4130, 0.3497

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.



70.0737, 0.3760, 0.3709



70.0737, 0.2517, 0.3066



70.0737, 0.3610, 0.3181

Square

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



70.0737, 0.2517, 0.3066



70.0737, 0.2968, 0.2783



70.0737, 0.3779, 0.3457



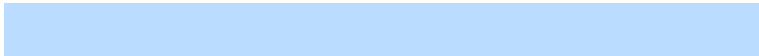
70.0737, 0.3259, 0.3865

Rectangle

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



70.0737, 0.2517, 0.3066



70.0737, 0.2619, 0.2760



70.0737, 0.3779, 0.3457



70.0737, 0.3647, 0.3830

Sweetspot

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



70.0764, 0.2517, 0.3066



90.4672, 0.2926, 0.3229



77.0447, 0.2980, 0.4375



19.0420, 0.2893, 0.3217



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.



70.0764, 0.2517, 0.3066



69.4052, 0.2420, 0.3015



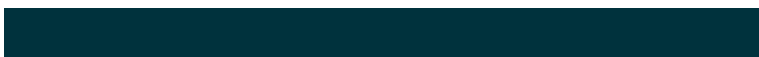
45.6131, 0.2412, 0.2429



19.0413, 0.2980, 0.3246



26.9222, 0.2083, 0.2698



2.6282, 0.2105, 0.2777

Inverse Universe

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



46.3850, 0.3341, 0.2422



42.3865, 0.3394, 0.2268



71.0045, 0.3895, 0.4016



17.4673, 0.3166, 0.3098



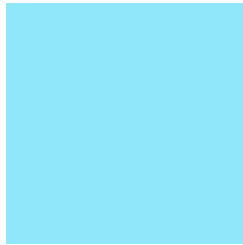
13.1287, 0.3730, 0.1828



1.2296, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 70.0737, 0.2517, 0.3066 looks on a white background.

Color Contrast Check

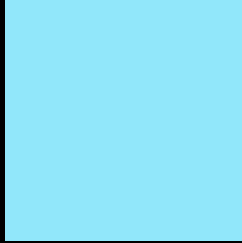
Large Text (above 18pt) WCAG AA × Fail

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 70.0737, 0.2517, 0.3066 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 70.0737, 0.2517, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 70.0737, 0.2517, 0.3066.

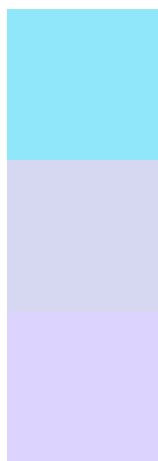


This preview shows how white text looks on a background with the Yxy color 70.0737, 0.2517, 0.3066.

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

70.0737, 0.2517, 0.3066

Protanopia

69.1883, 0.2957, 0.3019

Deuteranopia

69.4584, 0.2910, 0.2849



Tritanopia

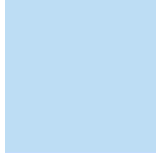
70.0737, 0.2517, 0.3066

Trichromacy



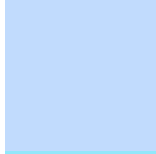
Original Color

70.0737, 0.2517, 0.3066



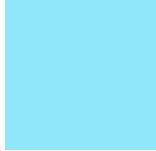
Protanomaly

69.0634, 0.2773, 0.3031



Deuteranomaly

69.0923, 0.2745, 0.2916



Tritanomaly

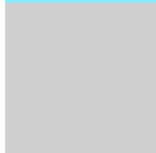
70.0737, 0.2517, 0.3066

Monochromacy



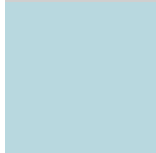
Original Color

70.0737, 0.2517, 0.3066



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.6298, 0.2860, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0737, 0.2517, 0.3066 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, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(145, 231, 250)  
}
```

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, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 231, 250) }
```

Border

The CSS property to change the border of an element to Yxy 70.0737, 0.2517, 0.3066 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, 231, 250) }
```

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

```
.border{ border-color:rgb(145, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(145, 231,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0737, 0.2517, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 231, 250) }
```

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

```
.background{ background-color: rgb(145,  
231, 250) }
```

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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