

Converting Colors

$Yxy(69.9673, 0.2533, 0.2986)$

Have a look what the booklet for
Yxy(69.9673, 0.2533, 0.2986)
contains.

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Color

Yxy(70.1286, 0.2532, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	9AE5FF
RGB	154, 229, 255
RGB Percent	60%, 90%, 100%
CMY	0.3964, 0.1019, 0.0000
CMYK	0.40, 0.10, 0.00, 0.00
HSL	195°, 100%, 80%
HSV	195°, 40%, 100%
XYZ	59.3865, 70.1286, 105.0287
YIQ	209.5390, -53.0460, -7.8140

Conversions

Conversions Part 2

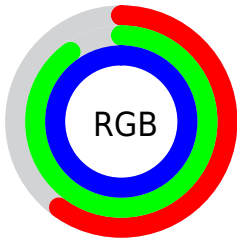
Format	Color
RYB	154, 197, 255
Decimal	10151423
CIELab	87.06, -16.77, -19.92
CIELCh	87, 26.043, 229.906
Yxy	70.1286, 0.2532, 0.2990
Android (android.graphics.Color)	4288341503 (0xFF9AE5FF)
YUV	209.5390, 22.4123, -48.7077
Hunter-Lab	83.7428, -19.9661, -15.7405

Details

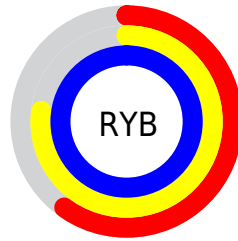
The Yxy color **70.1286, 0.2532, 0.2990** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.1955, 0.4021, 0.3565**, and the grayscale version is **63.9977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **36.5057, 0.2396, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **64.3298, 0.2401, 0.2900**, and if you desaturate by 10%, it is **76.5987, 0.2674, 0.3075**.

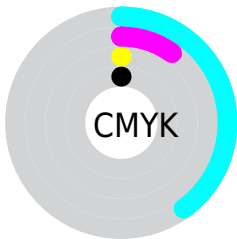
Distribution



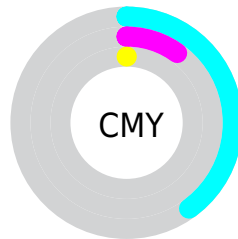
- Red (60%)
- Green (90%)
- Blue (100%)



- Red (60%)
- Yellow (77%)
- Blue (100%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1286, 0.2532, 0.2990 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 70.1286, 0.2532, 0.2990 by changing the saturation by 10% instead.


 70.1286, 0.2532,
0.2990

 70.1286, 0.2532,
0.2990


461.0014, 0.2803,
0.3134

 51.6314, 0.2472,
0.2956


 119.3921, 0.2625,
0.3041

 36.7113, 0.2398,
0.2913


 150.9272, 0.2661,
0.3061

 24.9841, 0.2306,
0.2859


187.5771, 0.2693,
0.3077

 16.0652, 0.2188,
0.2786

229.7261, 0.2720,
0.3092

 9.5703, 0.2032,
0.2686

277.7586, 0.2744,
0.3105

 5.1150, 0.1817,
0.2540

332.0591, 0.2766,

 2.3149, 0.1508,

0.3116

0.2310

393.0119, 0.2785,
0.3126

0.7816, 0.0832,
0.1950

0.0000, 0.0000,
0.0000

70.1286, 0.2532,
0.2990

70.1286, 0.2532,
0.2990

64.3298, 0.2401,
0.2900

76.5987, 0.2674,
0.3075

59.1625, 0.2285,
0.2806

83.7680, 0.2824,
0.3154

54.5885, 0.2186,
0.2710

91.6681, 0.2978,
0.3227

50.5632, 0.2106,
0.2612

100.0000, 0.3127,
0.3290

■ 47.0334, 0.2047,
0.2515

■ 43.9164, 0.2006,
0.2420

■ 43.8079, 0.2005,
0.2416

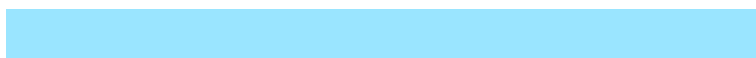
Harmonies

Analogous

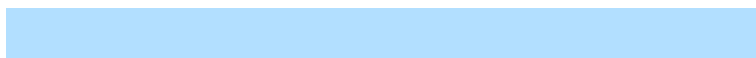
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.1286, 0.2619, 0.3266



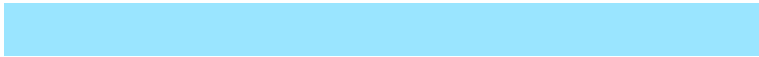
70.1286, 0.2532, 0.2990



70.1286, 0.2594, 0.2815

Triad

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



70.1286, 0.2532, 0.2990



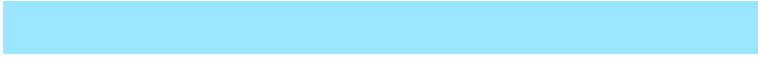
70.1286, 0.3409, 0.3031



70.1286, 0.3451, 0.3857

Complementary

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



70.1286, 0.2532, 0.2990



56.1955, 0.4021, 0.3565

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.



70.1286, 0.3681, 0.3756



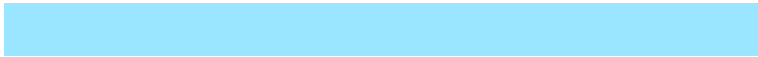
70.1286, 0.2532, 0.2990



70.1286, 0.3660, 0.3278

Square

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



70.1286, 0.2532, 0.2990



70.1286, 0.3088, 0.2848



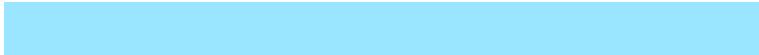
70.1286, 0.3761, 0.3541



70.1286, 0.3141, 0.3792

Rectangle

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



70.1286, 0.2532, 0.2990



70.1286, 0.2712, 0.2769



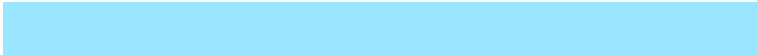
70.1286, 0.3761, 0.3541



70.1286, 0.3541, 0.3840

Sweetspot

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



70.1301, 0.2532, 0.2990



89.7346, 0.2941, 0.3210



81.6450, 0.2944, 0.4201



18.9819, 0.2921, 0.3201



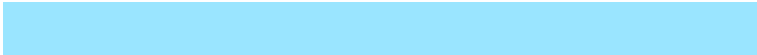
0.0000, 0.0000, 0.0000



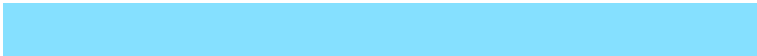
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1301, 0.2532, 0.2990



65.2356, 0.2422, 0.2915



46.3999, 0.2437, 0.2380



19.6444, 0.2980, 0.3227



23.1441, 0.2009, 0.2432



2.4294, 0.2039, 0.2542

Inverse Universe

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



50.0039, 0.3394, 0.2536



43.2823, 0.3470, 0.2385



80.0344, 0.3815, 0.4056



18.2159, 0.3178, 0.3115



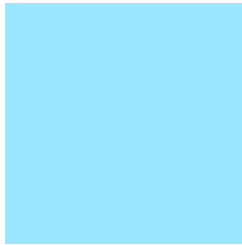
13.0644, 0.3990, 0.1972



1.2898, 0.3881, 0.1912

Previews

White Background



This preview shows how the Yxy color 70.1286, 0.2532, 0.2990 looks on a white background.

Color Contrast Check

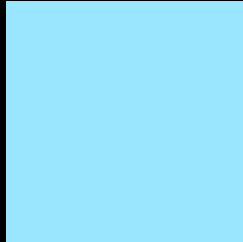
Large Text (above 18pt) WCAG AA × Fail

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 70.1286, 0.2532, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

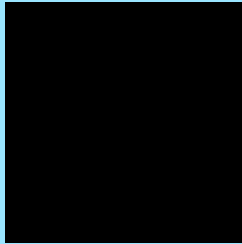
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1286, 0.2532, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 70.1286, 0.2532, 0.2990.



This preview shows how white text looks on a background with the Yxy color 70.1286, 0.2532, 0.2990.

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

70.1286, 0.2532, 0.2990

Protanopia

69.2517, 0.2906, 0.2956

Deuteranopia

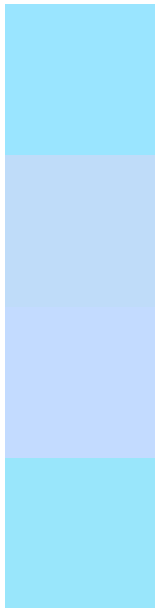
69.7139, 0.2890, 0.2848



Tritanopia

70.1086, 0.2553, 0.3068

Trichromacy



Original Color

70.1286, 0.2532, 0.2990

Protanomaly

69.1023, 0.2756, 0.2968

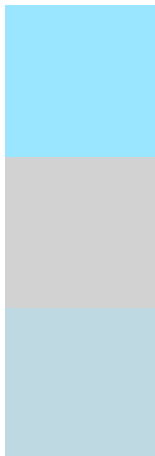
Deuteranomaly

69.4851, 0.2746, 0.2896

Tritanomaly

70.3310, 0.2548, 0.3046

Monochromacy



Original Color

70.1286, 0.2532, 0.2990

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.0638, 0.2882, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1286, 0.2532, 0.2990 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(154, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 229, 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(154, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.1286, 0.2532, 0.2990 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(154, 229, 255) }
```

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

```
.border{ border-color:rgb(154, 229, 255) }
```

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

Here you see how a box with a 4 pixel rgb(154, 229, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1286, 0.2532, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 229, 255) }
```

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

```
.background{ background-color: rgb(154,  
229, 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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