

Converting Colors

$Yxy(70.1885, 0.2548, 0.3015)$

Have a look what the booklet for
Yxy(70.1885, 0.2548, 0.3015)
contains.

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Color

Yxy(70.0990, 0.2547, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	9BE5FD
RGB	155, 229, 253
RGB Percent	61%, 90%, 99%
CMY	0.3919, 0.1020, 0.0077
CMYK	0.39, 0.09, 0.00, 0.01
HSL	195°, 96%, 80%
HSV	195°, 39%, 99%
XYZ	59.2769, 70.0990, 103.3565
YIQ	209.6100, -51.8080, -8.2240

Conversions

Conversions Part 2

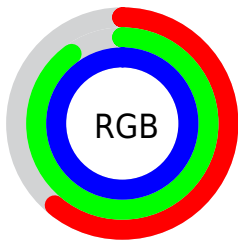
Format	Color
RYB	155, 197, 253
Decimal	10216957
CIELab	87.05, -16.97, -18.89
CIELCh	87, 25.397, 228.064
Yxy	70.0990, 0.2547, 0.3012
Android (android.graphics.Color)	4288407037 (0xFF9BE5FD)
YUV	209.6100, 21.3913, -47.8930
Hunter-Lab	83.7251, -20.1420, -14.5843

Details

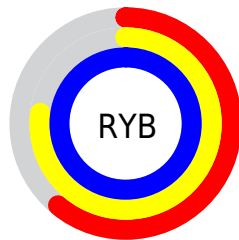
The Yxy color **70.0990, 0.2547, 0.3012** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.5325, 0.3997, 0.3547**, and the grayscale version is **64.0721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **36.5253, 0.2418, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **64.4801, 0.2416, 0.2927**, and if you desaturate by 10%, it is **76.3708, 0.2689, 0.3092**.

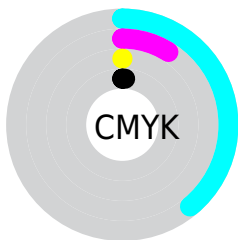
Distribution



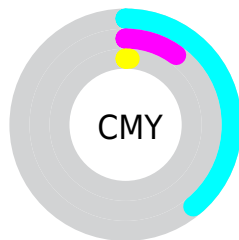
- Red (61%)
- Green (90%)
- Blue (99%)



- Red (61%)
- Yellow (77%)
- Blue (99%)



- Cyan (39%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)




- Cyan (39%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0990, 0.2547, 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 70.0990, 0.2547, 0.3012 by changing the saturation by 10% instead.

 70.0990, 0.2547,
0.3012

 70.0990, 0.2547,
0.3012


460.8975, 0.2811,
0.3146

 51.6072, 0.2488,
0.2980


 119.3499, 0.2638,
0.3059

 36.6921, 0.2416,
0.2940


 150.8779, 0.2673,
0.3078

 24.9692, 0.2326,
0.2889


187.5200, 0.2704,
0.3093

 16.0541, 0.2210,
0.2821

229.6608, 0.2731,
0.3107

 9.5624, 0.2057,
0.2727

277.6845, 0.2754,
0.3118

 5.1098, 0.1845,
0.2589

331.9756, 0.2775,

 2.3118, 0.1539,

0.3129

0.2369

392.9185, 0.2794,
0.3138

0.7800, 0.0849,
0.2026

0.0000, 0.0000,
0.0000

70.0990, 0.2547,
0.3012

70.0990, 0.2547,
0.3012

64.4801, 0.2416,
0.2927

76.3708, 0.2689,
0.3092

59.4715, 0.2300,
0.2838

83.3186, 0.2838,
0.3167

55.0380, 0.2201,
0.2746

90.9742, 0.2992,
0.3235

51.1364, 0.2122,
0.2654

99.1242, 0.3139,
0.3298

■ 47.7156, 0.2062,
0.2562

99.8736, 0.3139,
0.3309

■ 44.7028, 0.2021,
0.2471

■ 44.3346, 0.2017,
0.2459

Harmonies

Analogous

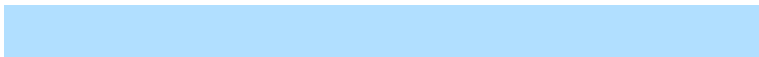
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0990, 0.2641, 0.3285



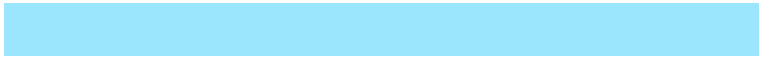
70.0990, 0.2547, 0.3012



70.0990, 0.2598, 0.2833

Triad

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



70.0990, 0.2547, 0.3012



70.0990, 0.3384, 0.3024



70.0990, 0.3460, 0.3841

Complementary

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



70.0990, 0.2547, 0.3012



55.5325, 0.3997, 0.3547

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.



70.0990, 0.3677, 0.3735



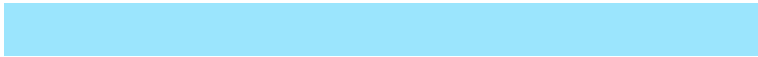
70.0990, 0.2547, 0.3012



70.0990, 0.3635, 0.3263

Square

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



70.0990, 0.2547, 0.3012



70.0990, 0.3070, 0.2850



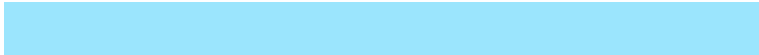
70.0990, 0.3744, 0.3520



70.0990, 0.3160, 0.3788

Rectangle

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



70.0990, 0.2547, 0.3012



70.0990, 0.2709, 0.2783



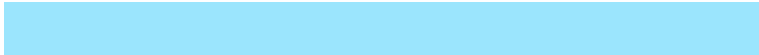
70.0990, 0.3744, 0.3520



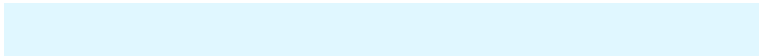
70.0990, 0.3546, 0.3822

Sweetspot

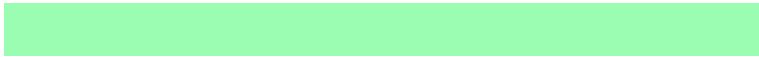
The Sweet Spot groups the original color and five complimentary colors.



70.1017, 0.2547, 0.3012



89.9547, 0.2941, 0.3214



80.4528, 0.2956, 0.4196



19.0339, 0.2921, 0.3205



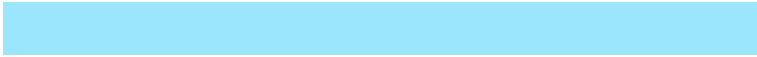
0.0000, 0.0000, 0.0000



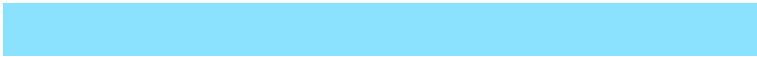
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1017, 0.2547, 0.3012



67.1118, 0.2450, 0.2950



47.1888, 0.2458, 0.2426



19.6820, 0.2980, 0.3230



23.8196, 0.2021, 0.2474



2.4903, 0.2050, 0.2578

Inverse Universe

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



50.0053, 0.3376, 0.2543



44.8542, 0.3438, 0.2408



78.1404, 0.3804, 0.4023



18.2197, 0.3176, 0.3112



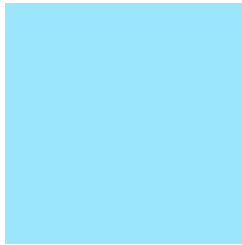
13.1326, 0.3948, 0.1949



1.2959, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 70.0990, 0.2547, 0.3012 looks on a white background.

Color Contrast Check

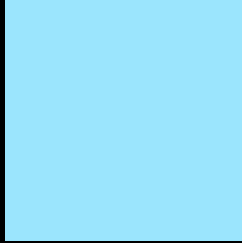
Large Text (above 18pt) WCAG AA × Fail

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 70.0990, 0.2547, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

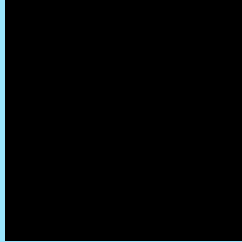
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0990, 0.2547, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 70.0990, 0.2547, 0.3012.

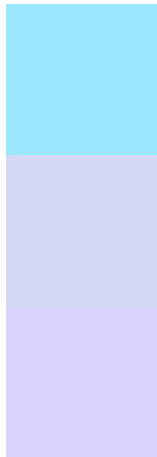


This preview shows how white text looks on a background with the Yxy color 70.0990, 0.2547, 0.3012.

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

70.0990, 0.2547, 0.3012

Protanopia

69.7895, 0.2925, 0.2988

Deuteranopia

69.3670, 0.2897, 0.2838



Tritanopia

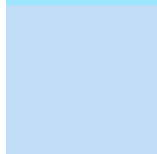
70.2410, 0.2568, 0.3080

Trichromacy



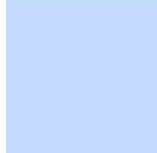
Original Color

70.0990, 0.2547, 0.3012



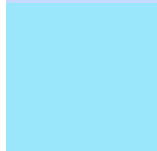
Protanomaly

69.6348, 0.2774, 0.3001



Deuteranomaly

69.0343, 0.2757, 0.2896



Tritanomaly

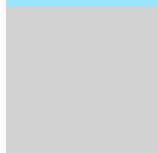
70.3658, 0.2558, 0.3057

Monochromacy



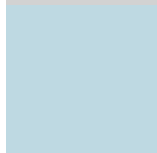
Original Color

70.0990, 0.2547, 0.3012



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 70.0990, 0.2547, 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(155, 229, 253)` looks like.

```
.text, #text, p{  
    color:rgb(155, 229, 253)  
}
```

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(155, 229, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 229, 253) }
```

Border

The CSS property to change the border of an element to Yxy 70.0990, 0.2547, 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(155, 229, 253) }
```

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

```
.border{ border-color:rgb(155, 229, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 229, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 229, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 229, 253);  
box-shadow:4px 4px 4px 4px rgb(155, 229,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0990, 0.2547, 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(155, 229, 253) }
```

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

```
.background{ background-color: rgb(155,  
229, 253) }
```

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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