

Converting Colors

$Yxy(70.0231, 0.2591, 0.3080)$

Have a look what the booklet for
Yxy(70.0231, 0.2591, 0.3080)
contains.

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Color

Yxy(70.0231, 0.2591, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	9EE5F7
RGB	158, 229, 247
RGB Percent	62%, 90%, 97%
CMY	0.3805, 0.1019, 0.0313
CMYK	0.36, 0.07, 0.00, 0.03
HSL	192°, 85%, 79%
HSV	192°, 36%, 97%
XYZ	58.9058, 70.0231, 98.4188
YIQ	209.8230, -48.0940, -9.4540

Conversions

Conversions Part 2

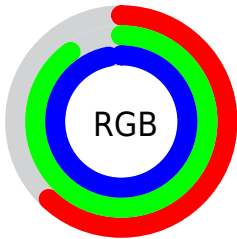
Format	Color
R_{YB}	158, 197, 247
Decimal	10413559
CIE _{Lab}	87.01, -17.71, -15.78
CIE _{LCh}	87, 23.715, 221.700
Yxy	70.0231, 0.2591, 0.3080
Android (android.graphics.Color)	4288603639 (0xFF9EE5F7)
YUV	209.8230, 18.3283, -45.4488
Hunter-Lab	83.6798, -20.7859, -11.1572

Details

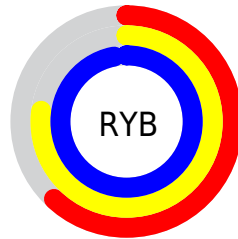
The Yxy color **70.0231, 0.2591, 0.3080** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.2886, 0.3930, 0.3487**, and the grayscale version is **64.2263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **36.4735, 0.2464, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **65.0430, 0.2462, 0.3012**, and if you desaturate by 10%, it is **75.5917, 0.2732, 0.3144**.

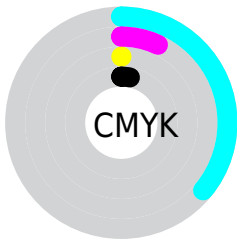
Distribution



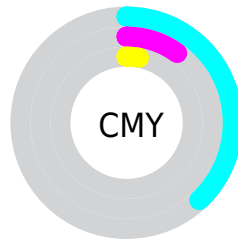
- Red (62%)
- Green (90%)
- Blue (97%)



- Red (62%)
- Yellow (77%)
- Blue (97%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)





- Cyan (38%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0231, 0.2591, 0.3080 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 70.0231, 0.2591, 0.3080 by changing the saturation by 10% instead.


 70.0231, 0.2591,
0.3080


 70.0231, 0.2591,
0.3080


460.6311, 0.2836,
0.3182

 51.5454, 0.2536,
0.3055


 119.2417, 0.2675,
0.3117

 36.6428, 0.2469,
0.3025


 150.7513, 0.2708,
0.3130

 24.9311, 0.2384,
0.2985


187.3738, 0.2737,
0.3142

 16.0257, 0.2276,
0.2931

229.4933, 0.2761,
0.3153

 9.5423, 0.2131,
0.2856

277.4945, 0.2783,
0.3161

 5.0966, 0.1929,
0.2743

331.7615, 0.2803,

 2.3040, 0.1633,

0.3169

0.2560

392.6790, 0.2820,
0.3176

0.7759, 0.0897,
0.2281

0.0000, 0.0000,
0.0000

70.0231, 0.2591,
0.3080

70.0231, 0.2591,
0.3080

65.0430, 0.2462,
0.3012

75.5917, 0.2732,
0.3144

60.6120, 0.2347,
0.2940

81.7689, 0.2880,
0.3204

56.6987, 0.2249,
0.2867

88.5839, 0.3033,
0.3259

53.2644, 0.2171,
0.2792

95.7222, 0.3177,
0.3309

■ 50.2639, 0.2112,
0.2717

■ 98.8517, 0.3174,
0.3357

■ 47.6415, 0.2072,
0.2643

■ 99.4964, 0.3173,
0.3366

■ 46.6754, 0.2060,
0.2614

Harmonies

Analogous

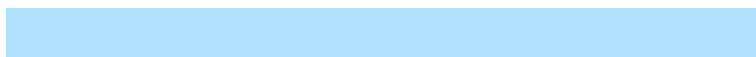
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0231, 0.2707, 0.3346



70.0231, 0.2591, 0.3080



70.0231, 0.2610, 0.2889

Triad

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



70.0231, 0.2591, 0.3080



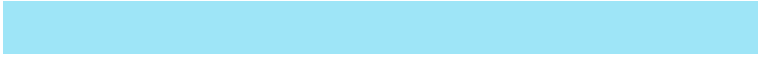
70.0231, 0.3307, 0.2999



70.0231, 0.3491, 0.3795

Complementary

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



70.0231, 0.2591, 0.3080



53.2886, 0.3930, 0.3487

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.



70.0231, 0.3668, 0.3671



70.0231, 0.2591, 0.3080



70.0231, 0.3561, 0.3215

Square

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



70.0231, 0.2591, 0.3080



70.0231, 0.3013, 0.2854



70.0231, 0.3695, 0.3457



70.0231, 0.3221, 0.3777

Rectangle

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



70.0231, 0.2591, 0.3080



70.0231, 0.2697, 0.2824



70.0231, 0.3695, 0.3457



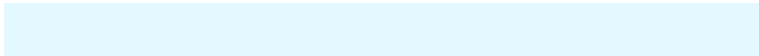
70.0231, 0.3564, 0.3767

Sweetspot

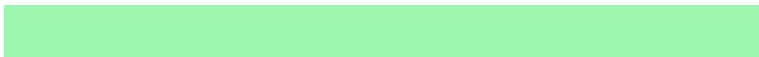
The Sweet Spot groups the original color and five complimentary colors.



70.0259, 0.2591, 0.3080



91.4965, 0.2957, 0.3233



76.9239, 0.2982, 0.4158



19.3724, 0.2936, 0.3225



0.0000, 0.0000, 0.0000



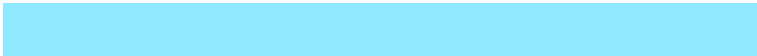
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0259, 0.2591, 0.3080



71.4497, 0.2499, 0.3032



48.5498, 0.2515, 0.2534



18.1551, 0.2980, 0.3241



24.8892, 0.2063, 0.2627



2.3283, 0.2089, 0.2719

Inverse Universe

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



49.8795, 0.3320, 0.2558



47.4911, 0.3369, 0.2420



73.5908, 0.3762, 0.3943



16.7075, 0.3169, 0.3103



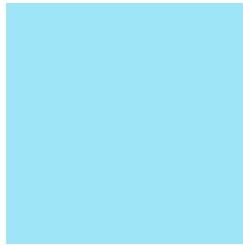
12.6120, 0.3798, 0.1866



1.1227, 0.3710, 0.1817

Previews

White Background



This preview shows how the Yxy color 70.0231, 0.2591, 0.3080 looks on a white background.

Color Contrast Check

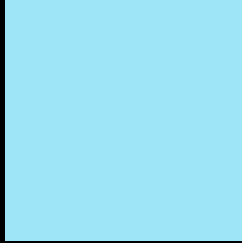
Large Text (above 18pt) WCAG AA × Fail

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 70.0231, 0.2591, 0.3080 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 70.0231, 0.2591, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 70.0231, 0.2591, 0.3080.

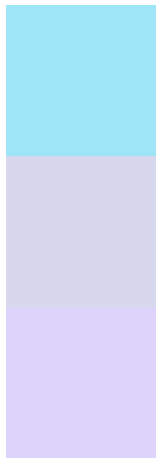


This preview shows how white text looks on a background with the Yxy color 70.0231, 0.2591, 0.3080.

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

70.0231, 0.2591, 0.3080

Protanopia

69.7319, 0.2976, 0.3052

Deuteranopia

69.5816, 0.2942, 0.2880



Tritanopia

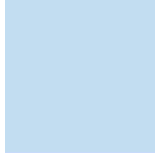
70.0231, 0.2591, 0.3080

Trichromacy



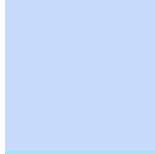
Original Color

70.0231, 0.2591, 0.3080



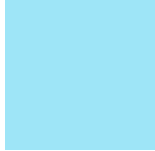
Protanomaly

69.5331, 0.2821, 0.3066



Deuteranomaly

69.1870, 0.2799, 0.2939



Tritanomaly

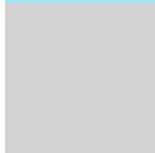
70.0231, 0.2591, 0.3080

Monochromacy



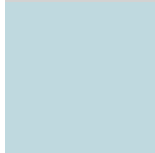
Original Color

70.0231, 0.2591, 0.3080



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.0298, 0.2907, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0231, 0.2591, 0.3080 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(158, 229, 247)` looks like.

```
.text, #text, p{  
    color:rgb(158, 229, 247)  
}
```

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(158, 229, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 229, 247) }
```

Border

The CSS property to change the border of an element to Yxy 70.0231, 0.2591, 0.3080 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(158, 229, 247) }
```

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

```
.border{ border-color:rgb(158, 229, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 229, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 229, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 229, 247); box-shadow:4px 4px 4px 4px rgb(158, 229, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0231, 0.2591, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 229, 247) }
```

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

```
.background{ background-color: rgb(158,  
229, 247) }
```

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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