

Converting Colors

$Yxy(70.3337, 0.2649, 0.3124)$

Have a look what the booklet for
Yxy(70.3337, 0.2649, 0.3124)
contains.

Yxy(70.5090, 0.2648, 0.3127)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.5090, 0.2648, 0.3127)

Conversions

Conversions Part 1

Format	Color
Hex	A5E5F3
RGB	165, 229, 243
RGB Percent	65%, 90%, 95%
CMY	0.3531, 0.1019, 0.0470
CMYK	0.32, 0.06, 0.00, 0.05
HSL	191°, 77%, 80%
HSV	191°, 32%, 95%
XYZ	59.7083, 70.5090, 95.2672
YIQ	211.4600, -42.6380, -9.2140

Conversions

Conversions Part 2

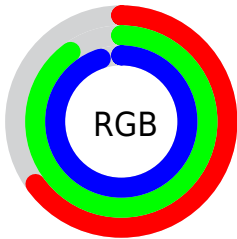
Format	Color
R _Y B	165, 200, 243
Decimal	10872307
CIE Lab	87.25, -16.80, -13.28
CIE LCh	87, 21.417, 218.318
Yxy	70.5090, 0.2648, 0.3127
Android (android.graphics.Color)	4289062387 (0xFFA5E5F3)
YUV	211.4600, 15.5492, -40.7454
Hunter-Lab	83.9696, -20.0209, -8.4883

Details

The Yxy color **70.5090, 0.2648, 0.3127** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.9961, 0.3820, 0.3446**, and the grayscale version is **65.3739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **36.7900, 0.2536, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **65.7672, 0.2516, 0.3068**, and if you desaturate by 10%, it is **75.8120, 0.2790, 0.3182**.

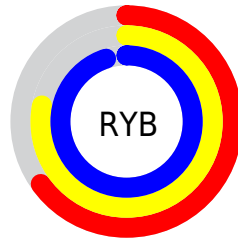
Distribution



Red (65%)

Green (90%)

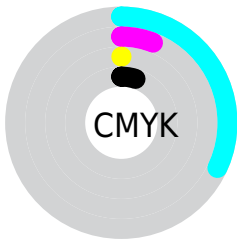
Blue (95%)



Red (65%)

Yellow (78%)

Blue (95%)

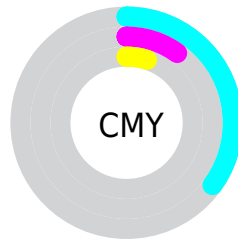


Cyan (32%)

Magenta (6%)

Yellow (0%)

Black (5%)



Cyan (35%)


Magenta (10%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5090, 0.2648, 0.3127 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 70.5090, 0.2648, 0.3127 by changing the saturation by 10% instead.

 70.5090, 0.2648,
0.3127


 70.5090, 0.2648,
0.3127


462.3352, 0.2867,
0.3207

 51.9416, 0.2599,
0.3108


 119.9343, 0.2723,
0.3155

 36.9585, 0.2538,
0.3084


 151.5611, 0.2753,
0.3166

 25.1754, 0.2462,
0.3052


188.3097, 0.2779,
0.3176

 16.2078, 0.2364,
0.3010

230.5646, 0.2801,
0.3184

 9.6713, 0.2232,
0.2950

278.7102, 0.2820,
0.3190

 5.1816, 0.2048,
0.2860

333.1309, 0.2838,

 2.3542, 0.1773,

0.3197

0.2711

394.2111, 0.2853,
0.3202

0.8022, 0.1093,
0.2490

0.0000, 0.0000,
0.0000

70.5090, 0.2648,
0.3127

70.5090, 0.2648,
0.3127

65.7672, 0.2516,
0.3068

75.8120, 0.2790,
0.3182

61.5496, 0.2398,
0.3006

81.6942, 0.2940,
0.3234

57.8277, 0.2296,
0.2942

88.1829, 0.3094,
0.3281

54.5663, 0.2213,
0.2877

93.9174, 0.3203,
0.3323

■ 51.7251, 0.2150,
0.2811

■ 96.6071, 0.3200,
0.3365

■ 49.2555, 0.2106,
0.2746

■ 99.2520, 0.3197,
0.3405

■ 47.5126, 0.2082,
0.2696

Harmonies

Analogous

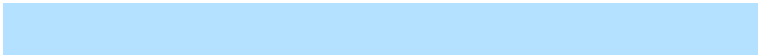
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5090, 0.2767, 0.3370



70.5090, 0.2648, 0.3127



70.5090, 0.2651, 0.2944

Triad

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



70.5090, 0.2648, 0.3127



70.5090, 0.3260, 0.3008



70.5090, 0.3479, 0.3738

Complementary

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



70.5090, 0.2648, 0.3127



53.9961, 0.3820, 0.3446

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.



70.5090, 0.3624, 0.3617



70.5090, 0.2648, 0.3127



70.5090, 0.3496, 0.3199

Square

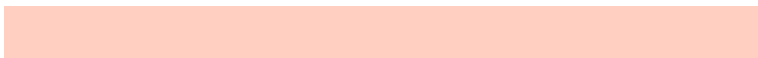
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5090, 0.2648, 0.3127



70.5090, 0.2996, 0.2886



70.5090, 0.3631, 0.3419



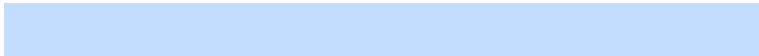
70.5090, 0.3243, 0.3736

Rectangle

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



70.5090, 0.2648, 0.3127



70.5090, 0.2722, 0.2876



70.5090, 0.3631, 0.3419



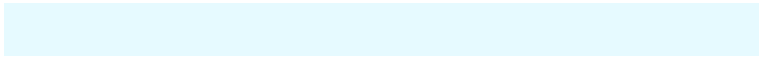
70.5090, 0.3541, 0.3709

Sweetspot

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



70.5118, 0.2648, 0.3127



92.5964, 0.2972, 0.3244



75.3177, 0.3011, 0.4080



19.6086, 0.2951, 0.3237



0.0000, 0.0000, 0.0000



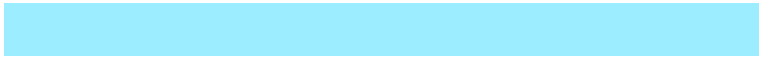
21.4041, 0.3127, 0.3290

Same Dimension

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



70.5118, 0.2648, 0.3127



74.9040, 0.2555, 0.3086



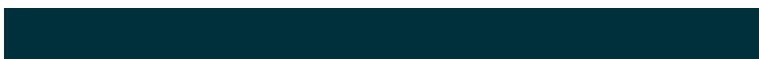
51.7176, 0.2591, 0.2664



18.2225, 0.2980, 0.3246



26.2545, 0.2085, 0.2706



2.4366, 0.2108, 0.2787

Inverse Universe

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



51.6095, 0.3279, 0.2622



51.0099, 0.3321, 0.2478



71.3956, 0.3692, 0.3845



16.7143, 0.3165, 0.3098



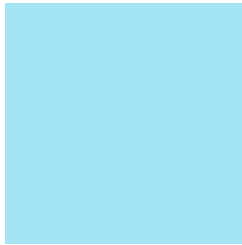
12.7498, 0.3723, 0.1824



1.1336, 0.3647, 0.1783

Previews

White Background



This preview shows how the Yxy color 70.5090, 0.2648, 0.3127 looks on a white background.

Color Contrast Check

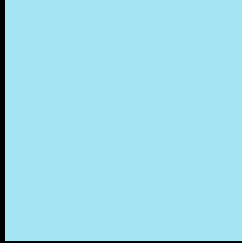
Large Text (above 18pt) WCAG AA × Fail

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 70.5090, 0.2648, 0.3127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

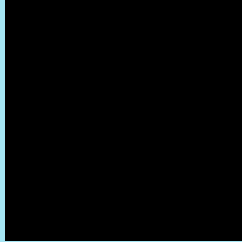
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5090, 0.2648, 0.3127

Background



This preview shows how black text looks on a background with the Yxy color 70.5090, 0.2648, 0.3127.

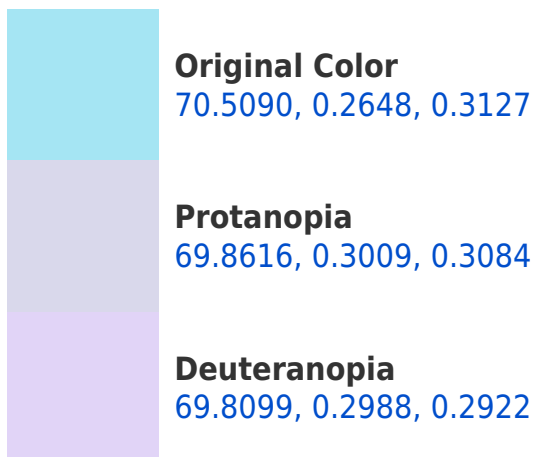


This preview shows how white text looks on a background with the Yxy color 70.5090, 0.2648, 0.3127.

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

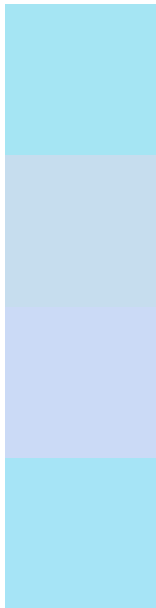




Tritanopia

70.3092, 0.2632, 0.3071

Trichromacy



Original Color

70.5090, 0.2648, 0.3127

Protanomaly

69.8917, 0.2864, 0.3100

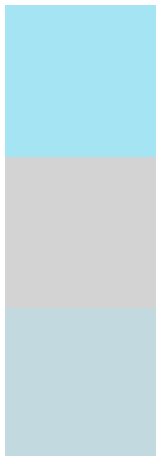
Deuteranomaly

69.4931, 0.2848, 0.2983

Tritanomaly

70.2476, 0.2637, 0.3082

Monochromacy



Original Color

70.5090, 0.2648, 0.3127

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.9399, 0.2928, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5090, 0.2648, 0.3127 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(165, 229, 243)` looks like.

```
.text, #text, p{  
    color:rgb(165, 229, 243)  
}
```

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(165, 229, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 229, 243) }
```

Border

The CSS property to change the border of an element to Yxy 70.5090, 0.2648, 0.3127 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(165, 229, 243) }
```

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

```
.border{ border-color:rgb(165, 229, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 229, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 229, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 229, 243); box-shadow:4px 4px 4px 4px rgb(165, 229, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5090, 0.2648, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 229, 243) }
```

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

```
.background{ background-color: rgb(165,  
229, 243) }
```

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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