

Converting Colors

$Yxy(69.4233, 0.2630, 0.3081)$

Have a look what the booklet for
Yxy(69.4233, 0.2630, 0.3081)
contains.

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Color

Yxy(69.4233, 0.2630, 0.3081)

Conversions

Conversions Part 1

Format	Color
Hex	A4E3F5
RGB	164, 227, 245
RGB Percent	64%, 89%, 96%
CMY	0.3568, 0.1098, 0.0393
CMYK	0.33, 0.07, 0.00, 0.04
HSL	193°, 80%, 80%
HSV	193°, 33%, 96%
XYZ	59.2610, 69.4233, 96.6428
YIQ	210.2150, -43.3260, -7.7580

Conversions

Conversions Part 2

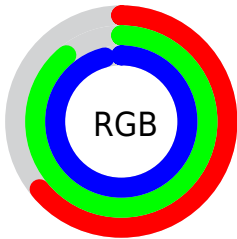
Format	Color
RYB	164, 199, 245
Decimal	10806261
CIELab	86.71, -15.58, -15.11
CIElCh	87, 21.706, 224.131
Yxy	69.4233, 0.2630, 0.3081
Android (android.graphics.Color)	4288996341 (0xFFA4E3F5)
YUV	210.2150, 17.1490, -40.5306
Hunter-Lab	83.3206, -18.8546, -10.4455

Details

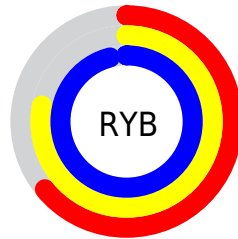
The Yxy color **69.4233, 0.2630, 0.3081** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.5463, 0.3835, 0.3488**, and the grayscale version is **64.5081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **36.4304, 0.2515, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **64.1364, 0.2495, 0.3007**, and if you desaturate by 10%, it is **75.3117, 0.2775, 0.3150**.

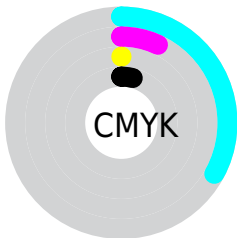
Distribution



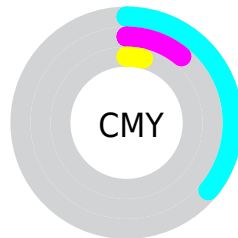
- Red (64%)
- Green (89%)
- Blue (96%)



- Red (64%)
- Yellow (78%)
- Blue (96%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4233, 0.2630, 0.3081 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 69.4233, 0.2630, 0.3081 by changing the saturation by 10% instead.


 69.4233, 0.2630,
0.3081

 69.4233, 0.2630,
0.3081


458.5225, 0.2858,
0.3182

 51.0565, 0.2579,
0.3057


 118.3860, 0.2708,
0.3117

 36.2536, 0.2516,
0.3026


 149.7507, 0.2739,
0.3131

 24.6301, 0.2436,
0.2987


186.2168, 0.2766,
0.3143

 15.8017, 0.2334,
0.2935

228.1687, 0.2789,
0.3153

 9.3839, 0.2197,
0.2861

275.9908, 0.2809,
0.3162

 4.9924, 0.2005,
0.2751

330.0676, 0.2827,

 2.2428, 0.1720,

0.3169

0.2572

390.7834, 0.2843,
0.3176

0.7432, 0.1005,
0.2290

0.0000, 0.0000,
0.0000

69.4233, 0.2630,
0.3081

69.4233, 0.2630,
0.3081

64.1364, 0.2495,
0.3007

75.3117, 0.2775,
0.3150

59.4131, 0.2373,
0.2929

81.8208, 0.2926,
0.3215

55.2232, 0.2267,
0.2848

88.9789, 0.3080,
0.3273

51.5302, 0.2180,
0.2766

95.4546, 0.3189,
0.3327

■ 48.2918, 0.2112,
0.2683

■ 98.8618, 0.3186,
0.3378

■ 45.4569, 0.2064,
0.2601

■ 99.3711, 0.3185,
0.3386

■ 43.6702, 0.2040,
0.2544

Harmonies

Analogous

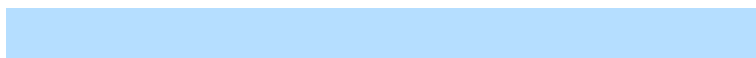
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4233, 0.2728, 0.3321



69.4233, 0.2630, 0.3081



69.4233, 0.2658, 0.2912

Triad

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



69.4233, 0.2630, 0.3081



69.4233, 0.3314, 0.3036



69.4233, 0.3444, 0.3757

Complementary

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



69.4233, 0.2630, 0.3081



55.5463, 0.3835, 0.3488

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.



69.4233, 0.3615, 0.3654



69.4233, 0.2630, 0.3081



69.4233, 0.3540, 0.3240

Square

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



69.4233, 0.2630, 0.3081



69.4233, 0.3044, 0.2896



69.4233, 0.3651, 0.3463



69.4233, 0.3193, 0.3728

Rectangle

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



69.4233, 0.2630, 0.3081



69.4233, 0.2745, 0.2858



69.4233, 0.3651, 0.3463



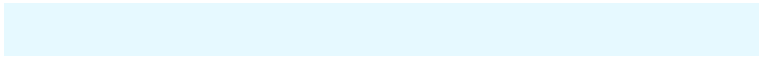
69.4233, 0.3513, 0.3736

Sweetspot

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



69.4260, 0.2630, 0.3081



91.9208, 0.2972, 0.3233



76.5456, 0.2986, 0.4056



19.4443, 0.2950, 0.3225



0.0000, 0.0000, 0.0000



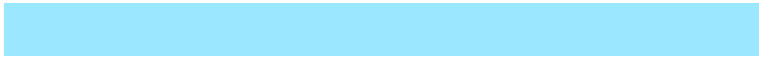
21.4041, 0.3127, 0.3290

Same Dimension

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



69.4260, 0.2630, 0.3081



71.9036, 0.2534, 0.3029



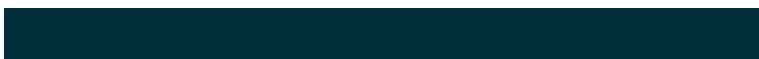
50.0117, 0.2568, 0.2592



18.0970, 0.2980, 0.3236



23.7463, 0.2044, 0.2558



2.2371, 0.2072, 0.2660

Inverse Universe

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



51.5153, 0.3314, 0.2635



49.8887, 0.3365, 0.2497



74.3539, 0.3698, 0.3901



16.7016, 0.3172, 0.3108



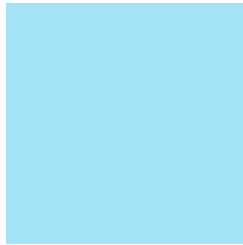
12.4966, 0.3865, 0.1903



1.1135, 0.3766, 0.1848

Previews

White Background



This preview shows how the Yxy color 69.4233, 0.2630, 0.3081 looks on a white background.

Color Contrast Check

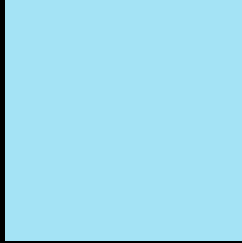
Large Text (above 18pt) WCAG AA × Fail

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 69.4233, 0.2630, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

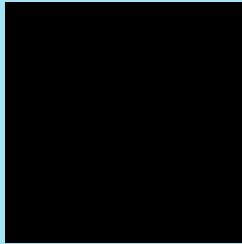
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4233, 0.2630, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 69.4233, 0.2630, 0.3081.

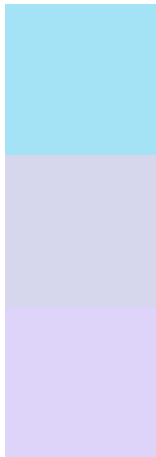


This preview shows how white text looks on a background with the Yxy color 69.4233, 0.2630, 0.3081.

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

69.4233, 0.2630, 0.3081

Protanopia

69.0114, 0.2976, 0.3051

Deuteranopia

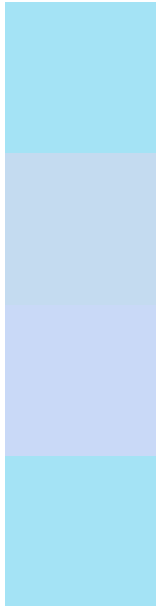
68.8954, 0.2961, 0.2899



Tritanopia

69.4233, 0.2630, 0.3081

Trichromacy



Original Color

69.4233, 0.2630, 0.3081

Protanomaly

68.6901, 0.2839, 0.3055

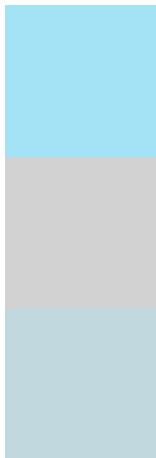
Deuteranomaly

68.7586, 0.2828, 0.2961

Tritanomaly

69.4233, 0.2630, 0.3081

Monochromacy



Original Color

69.4233, 0.2630, 0.3081

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.7769, 0.2920, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4233, 0.2630, 0.3081 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(164, 227, 245)` looks like.

```
.text, #text, p{  
    color:rgb(164, 227, 245)  
}
```

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(164, 227, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 227, 245) }
```

Border

The CSS property to change the border of an element to Yxy 69.4233, 0.2630, 0.3081 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(164, 227, 245) }
```

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

```
.border{ border-color:rgb(164, 227, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 227, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 227, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 227, 245);  
box-shadow:4px 4px 4px 4px rgb(164, 227,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4233, 0.2630, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 227, 245) }
```

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

```
.background{ background-color: rgb(164,  
227, 245) }
```

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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