

Converting Colors

$Yxy(72.3263, 0.2700, 0.3113)$

Have a look what the booklet for
Yxy(72.3263, 0.2700, 0.3113)
contains.

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Color

Yxy(72.4163, 0.2700, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	B0E6F5
RGB	176, 230, 245
RGB Percent	69%, 90%, 96%
CMY	0.3097, 0.0980, 0.0391
CMYK	0.28, 0.06, 0.00, 0.04
HSL	193°, 78%, 83%
HSV	193°, 28%, 96%
XYZ	62.6880, 72.4163, 97.0736
YIQ	215.5640, -36.9990, -6.7830

Conversions

Conversions Part 2

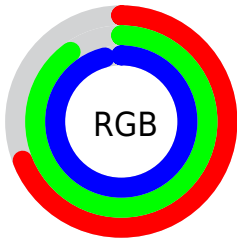
Format	Color
R _Y B	176, 206, 245
Decimal	11593461
CIE Lab	88.17, -13.77, -12.89
CIE LCh	88, 18.864, 223.104
Yxy	72.4163, 0.2700, 0.3119
Android (android.graphics.Color)	4289783541 (0xFFB0E6F5)
YUV	215.5640, 14.5119, -34.6976
Hunter-Lab	85.0978, -17.4274, -8.0655

Details

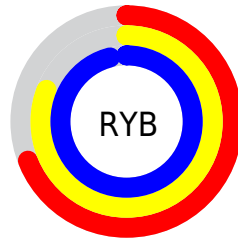
The Yxy color **72.4163, 0.2700, 0.3119** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.8314, 0.3703, 0.3454**, and the grayscale version is **68.2807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **38.0112, 0.2597, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **66.8922, 0.2560, 0.3049**, and if you desaturate by 10%, it is **78.5526, 0.2848, 0.3185**.

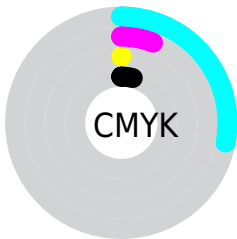
Distribution



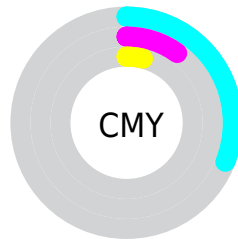
- Red (69%)
- Green (90%)
- Blue (96%)



- Red (69%)
- Yellow (81%)
- Blue (96%)



- Cyan (28%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (31%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4163, 0.2700, 0.3119 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 72.4163, 0.2700, 0.3119 by changing the saturation by 10% instead.

■ 72.4163, 0.2700,
0.3119

■ 72.4163, 0.2700,
0.3119

■ 468.9893, 0.2895,
0.3201

■ 53.4988, 0.2656,
0.3100

■ 122.6482, 0.2767,
0.3148

■ 38.2011, 0.2603,
0.3075

■ 154.7314, 0.2793,
0.3159

■ 26.1388, 0.2535,
0.3044

■ 191.9720, 0.2816,
0.3169

■ 16.9275, 0.2448,
0.3002

■ 234.7544, 0.2836,
0.3177

■ 10.1828, 0.2332,
0.2944

■ 283.4629, 0.2853,
0.3184

■ 5.5203, 0.2168,
0.2858

■ 338.4819, 0.2869,

■ 2.5557, 0.1924,

0.3191

0.2718

400.1959, 0.2882,
0.3196

0.9044, 0.1438,
0.2486

0.0000, 0.0000,
0.0000

72.4163, 0.2700,
0.3119

72.4163, 0.2700,
0.3119

66.8922, 0.2560,
0.3049

78.5526, 0.2848,
0.3185

61.9429, 0.2432,
0.2974

85.3187, 0.3001,
0.3245

57.5402, 0.2319,
0.2896

92.7423, 0.3156,
0.3300

53.6497, 0.2223,
0.2816

97.0571, 0.3187,
0.3351

■ 50.2319, 0.2146,
0.2735

■ 99.3737, 0.3185,
0.3386

■ 47.2409, 0.2089,
0.2654

■ 44.6130, 0.2051,
0.2574

■ 44.1523, 0.2044,
0.2560

Harmonies

Analogous

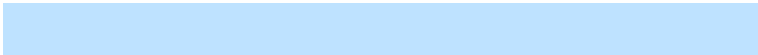
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4163, 0.2789, 0.3326



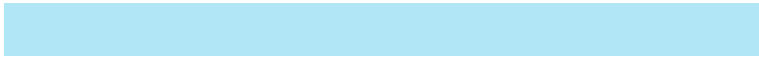
72.4163, 0.2700, 0.3119



72.4163, 0.2721, 0.2970

Triad

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



72.4163, 0.2700, 0.3119



72.4163, 0.3280, 0.3066



72.4163, 0.3406, 0.3688

Complementary

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



72.4163, 0.2700, 0.3119



59.8314, 0.3703, 0.3454

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.



72.4163, 0.3548, 0.3600



72.4163, 0.2700, 0.3119



72.4163, 0.3475, 0.3242

Square

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



72.4163, 0.2700, 0.3119



72.4163, 0.3049, 0.2947



72.4163, 0.3574, 0.3435



72.4163, 0.3193, 0.3666

Rectangle

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



72.4163, 0.2700, 0.3119



72.4163, 0.2794, 0.2919



72.4163, 0.3574, 0.3435



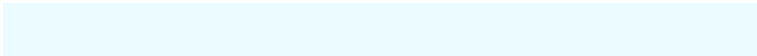
72.4163, 0.3464, 0.3670

Sweetspot

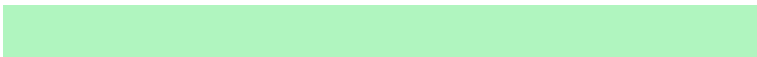
The Sweet Spot groups the original color and five complimentary colors.



72.4192, 0.2700, 0.3119



93.5333, 0.3003, 0.3246



78.3091, 0.3006, 0.3925



19.7708, 0.2980, 0.3237



0.0000, 0.0000, 0.0000



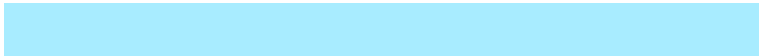
21.4041, 0.3127, 0.3290

Same Dimension

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



72.4192, 0.2700, 0.3119



75.6412, 0.2616, 0.3078



55.1132, 0.2657, 0.2710



18.1097, 0.2980, 0.3237



23.9942, 0.2048, 0.2573



2.2569, 0.2076, 0.2673

Inverse Universe

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



56.1884, 0.3278, 0.2730



55.4396, 0.3318, 0.2611



76.6560, 0.3605, 0.3809



16.7029, 0.3171, 0.3107



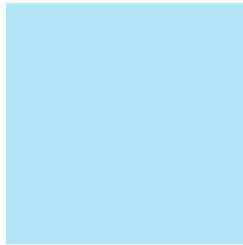
12.5216, 0.3850, 0.1895



1.1155, 0.3754, 0.1842

Previews

White Background



This preview shows how the Yxy color 72.4163, 0.2700, 0.3119 looks on a white background.

Color Contrast Check

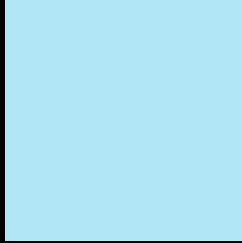
Large Text (above 18pt) WCAG AA × Fail

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 72.4163, 0.2700, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

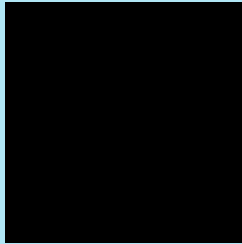
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.4163, 0.2700, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 72.4163, 0.2700, 0.3119.

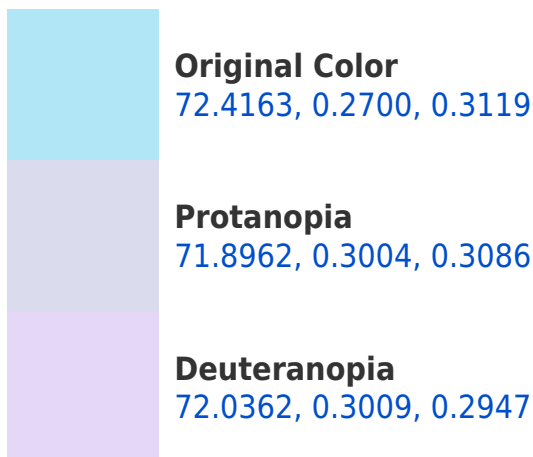


This preview shows how white text looks on a background with the Yxy color 72.4163, 0.2700, 0.3119.

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

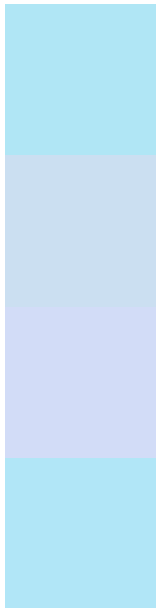




Tritanopia

72.7181, 0.2690, 0.3087

Trichromacy



Original Color

72.4163, 0.2700, 0.3119

Protanomaly

71.8227, 0.2880, 0.3092

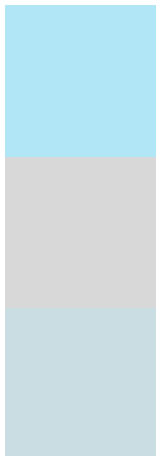
Deuteranomaly

71.6034, 0.2888, 0.2999

Tritanomaly

72.6561, 0.2695, 0.3098

Monochromacy



Original Color

72.4163, 0.2700, 0.3119

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.6765, 0.2951, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4163, 0.2700, 0.3119 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(176, 230, 245)` looks like.

```
.text, #text, p{  
    color:rgb(176, 230, 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(176, 230, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 230, 245) }
```

Border

The CSS property to change the border of an element to Yxy 72.4163, 0.2700, 0.3119 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(176, 230, 245) }
```

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

```
.border{ border-color:rgb(176, 230, 245) }
```

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

Here you see how a box with a 4 pixel rgb(176, 230, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 230, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 230, 245);  
box-shadow:4px 4px 4px 4px rgb(176, 230,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4163, 0.2700, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 230, 245) }
```

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

```
.background{ background-color: rgb(176,  
230, 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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