

Converting Colors

$Yxy(71.7746, 0.2830, 0.3141)$

Have a look what the booklet for
Yxy(71.7746, 0.2830, 0.3141)
contains.

Yxy(71.9622, 0.2830, 0.3144)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.9622, 0.2830, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	C1E2EF
RGB	193, 226, 239
RGB Percent	76%, 89%, 94%
CMY	0.2430, 0.1137, 0.0627
CMYK	0.19, 0.05, 0.00, 0.06
HSL	197°, 59%, 85%
HSV	197°, 19%, 94%
XYZ	64.7751, 71.9622, 92.1501
YIQ	217.6150, -23.8410, -2.9530

Conversions

Conversions Part 2

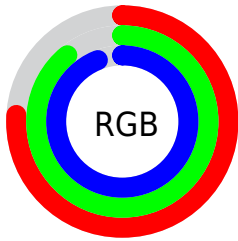
Format	Color
RYB	193, 212, 239
Decimal	12706543
CIELab	87.95, -8.05, -9.96
CIELCh	88, 12.806, 231.024
Yxy	71.9622, 0.2830, 0.3144
Android (android.graphics.Color)	4290896623 (0xFFC1E2EF)
YUV	217.6150, 10.5428, -21.5874
Hunter-Lab	84.8305, -12.1539, -5.0244

Details

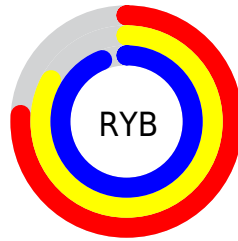
The Yxy color **71.9622, 0.2830, 0.3144** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3706, 0.3480, 0.3432**, and the grayscale version is **69.7758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **38.0337, 0.2764, 0.3114** is the 20% darker color. If you saturate the color by 10%, you get **65.4652, 0.2679, 0.3057**, and if you desaturate by 10%, it is **79.1181, 0.2984, 0.3223**.

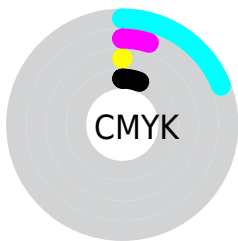
Distribution



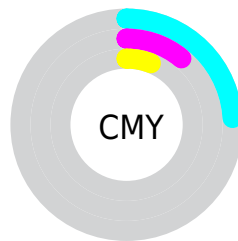
- Red (76%)
- Green (89%)
- Blue (94%)



- Red (76%)
- Yellow (83%)
- Blue (94%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (24%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9622, 0.2830, 0.3144 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 71.9622, 0.2830, 0.3144 by changing the saturation by 10% instead.

■ 71.9622, 0.2830,
0.3144

■ 71.9622, 0.2830,
0.3144

467.4100, 0.2967,
0.3213

■ 53.1278, 0.2799,
0.3128

■ 122.0028, 0.2877,
0.3168

■ 37.9048, 0.2761,
0.3108

153.9778, 0.2896,
0.3178

■ 25.9088, 0.2713,
0.3082

191.1017, 0.2911,
0.3186

■ 16.7554, 0.2650,
0.3048

233.7590, 0.2925,
0.3193

■ 10.0603, 0.2566,
0.3001

282.3342, 0.2937,
0.3199

■ 5.4389, 0.2446,
0.2932

337.2114, 0.2948,

■ 2.5070, 0.2262,

0.3204

0.2820

398.7752, 0.2958,
0.3209

0.8802, 0.1909,
0.2626

0.0000, 0.0000,
0.0000

71.9622, 0.2830,
0.3144

71.9622, 0.2830,
0.3144

65.4652, 0.2679,
0.3057

79.1181, 0.2984,
0.3223

59.5921, 0.2535,
0.2964

86.9482, 0.3139,
0.3295

54.3179, 0.2401,
0.2865

93.5858, 0.3227,
0.3361

49.6121, 0.2280,
0.2761

97.7844, 0.3222,
0.3426

■ 45.4407, 0.2176,
0.2655

■ 99.0130, 0.3220,
0.3444

■ 41.7653, 0.2092,
0.2547

■ 38.5407, 0.2028,
0.2439

■ 35.6974, 0.1983,
0.2333

■ 35.4910, 0.1979,
0.2325

Harmonies

Analogous

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



71.9622, 0.2872, 0.3277



71.9622, 0.2830, 0.3144



71.9622, 0.2865, 0.3055

Triad

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



71.9622, 0.2830, 0.3144



71.9622, 0.3271, 0.3166



71.9622, 0.3283, 0.3563

Complementary

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



71.9622, 0.2830, 0.3144



66.3706, 0.3480, 0.3432

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.



71.9622, 0.3395, 0.3524



71.9622, 0.2830, 0.3144



71.9622, 0.3388, 0.3294

Square

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



71.9622, 0.2830, 0.3144



71.9622, 0.3117, 0.3070



71.9622, 0.3434, 0.3425



71.9622, 0.3132, 0.3525

Rectangle

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



71.9622, 0.2830, 0.3144



71.9622, 0.2927, 0.3030



71.9622, 0.3434, 0.3425



71.9622, 0.3327, 0.3558

Sweetspot

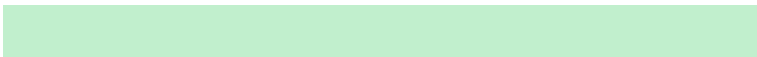
The Sweet Spot groups the original color and five complimentary colors.



71.9651, 0.2830, 0.3144



94.4802, 0.3034, 0.3247



77.5062, 0.3030, 0.3674



20.0978, 0.3024, 0.3243



0.0000, 0.0000, 0.0000



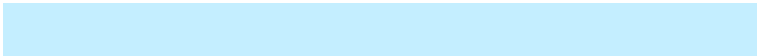
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9651, 0.2830, 0.3144



80.3824, 0.2772, 0.3112



60.6446, 0.2815, 0.2887



17.1285, 0.2981, 0.3222



19.8438, 0.1984, 0.2342



1.8188, 0.2023, 0.2482

Inverse Universe

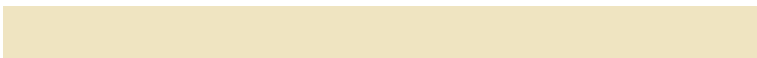
The Inverse Universe completely reimagines the original color for something new.



61.9963, 0.3246, 0.2942



67.0943, 0.3275, 0.2870



77.8498, 0.3437, 0.3663



15.9506, 0.3181, 0.3122



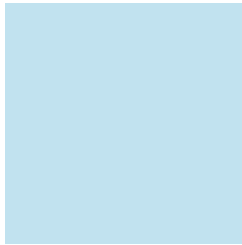
11.7966, 0.4083, 0.2023



0.9983, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 71.9622, 0.2830, 0.3144 looks on a white background.

Color Contrast Check

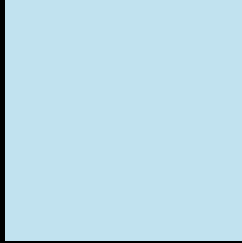
Large Text (above 18pt) WCAG AA × Fail

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 71.9622, 0.2830, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

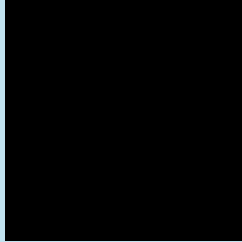
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9622, 0.2830, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 71.9622, 0.2830, 0.3144.

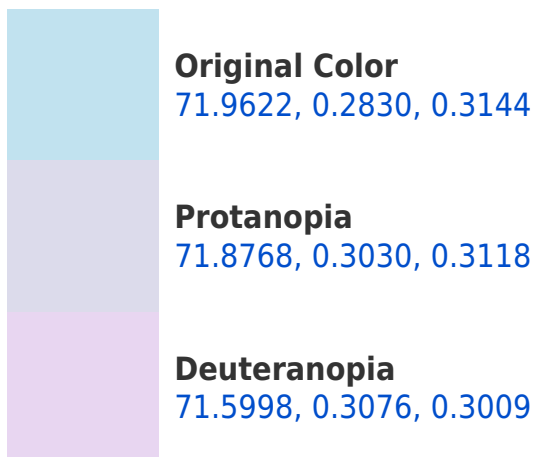


This preview shows how white text looks on a background with the Yxy color 71.9622, 0.2830, 0.3144.

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

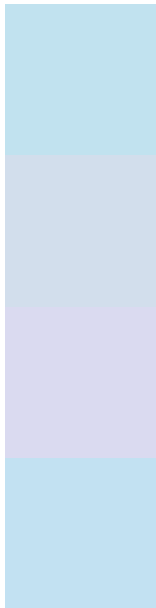




Tritanopia

71.7908, 0.2813, 0.3090

Trichromacy



Original Color

71.9622, 0.2830, 0.3144

Protanomaly

72.0003, 0.2956, 0.3137

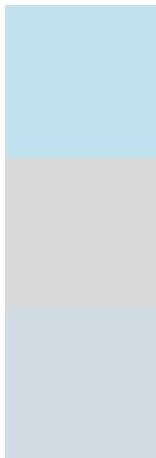
Deuteranomaly

71.3395, 0.2984, 0.3054

Tritanomaly

71.7306, 0.2818, 0.3101

Monochromacy



Original Color

71.9622, 0.2830, 0.3144

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.7592, 0.3011, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9622, 0.2830, 0.3144 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(193, 226, 239)` looks like.

```
.text, #text, p{  
    color:rgb(193, 226, 239)  
}
```

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(193, 226, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 226, 239) }
```

Border

The CSS property to change the border of an element to Yxy 71.9622, 0.2830, 0.3144 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(193, 226, 239) }
```

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

```
.border{ border-color:rgb(193, 226, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 226, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 226, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 226, 239); box-shadow:4px 4px 4px 4px rgb(193, 226, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9622, 0.2830, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 226, 239) }
```

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

```
.background{ background-color: rgb(193,  
226, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor