

Converting Colors

$Y_{xy}(73.8970, 0.2682, 0.3203)$

Have a look what the booklet for
Yxy(73.8970, 0.2682, 0.3203)
contains.

Yxy(73.6915, 0.2682, 0.3197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.6915, 0.2682, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	A9EAF2
RGB	169, 234, 242
RGB Percent	66%, 92%, 95%
CMY	0.3371, 0.0824, 0.0509
CMYK	0.30, 0.03, 0.00, 0.05
HSL	187°, 74%, 81%
HSV	187°, 30%, 95%
XYZ	61.8206, 73.6915, 94.9899
YIQ	215.4770, -41.3080, -11.2920

Conversions

Conversions Part 2

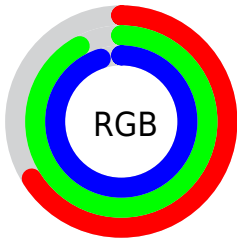
Format	Color
R _Y B	169, 203, 242
Decimal	11135730
CIE Lab	88.78, -18.41, -10.45
CIE LCh	89, 21.171, 209.592
Yxy	73.6915, 0.2682, 0.3197
Android (android.graphics.Color)	4289325810 (0xFFA9EAF2)
YUV	215.4770, 13.0758, -40.7603
Hunter-Lab	85.8438, -21.6792, -5.5164

Details

The Yxy color **73.6915, 0.2682, 0.3197** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.2200, 0.3781, 0.3380**, and the grayscale version is **68.2334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **38.9634, 0.2579, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **69.7549, 0.2554, 0.3162**, and if you desaturate by 10%, it is **78.1523, 0.2822, 0.3230**.

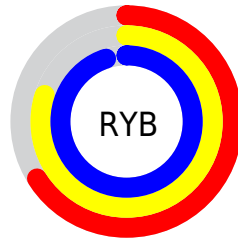
Distribution



Red (66%)

Green (92%)

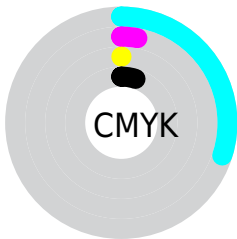
Blue (95%)



Red (66%)

Yellow (80%)

Blue (95%)

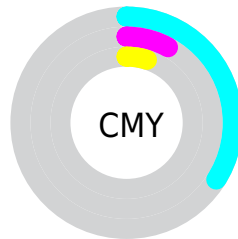


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (5%)



Cyan (34%)


Magenta (8%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6915, 0.2682, 0.3197 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 73.6915, 0.2682, 0.3197 by changing the saturation by 10% instead.


 73.6915, 0.2682,
0.3197

 73.6915, 0.2682,
0.3197


473.4079, 0.2885,
0.3244

 54.5416, 0.2637,
0.3186


 124.4584, 0.2752,
0.3214

 39.0348, 0.2581,
0.3171


156.8441, 0.2779,
0.3220

 26.7868, 0.2511,
0.3152


194.4106, 0.2802,
0.3226

 17.4132, 0.2422,
0.3126

237.5423, 0.2823,
0.3230

 10.5295, 0.2302,
0.3089

286.6234, 0.2841,
0.3234

 5.7514, 0.2134,
0.3033


342.0385, 0.2857,

 2.6945, 0.1884,


0.3238


0.2937


404.1719, 0.2872,
0.3241


 0.9744, 0.1357,
0.2788


 0.0000, 0.0000,
0.0000


 73.6915, 0.2682,
0.3197


 73.6915, 0.2682,
0.3197

 69.7549, 0.2554,
0.3162

 78.1523, 0.2822,
0.3230

 66.3061, 0.2441,
0.3125

 83.1537, 0.2970,
0.3261

 63.3180, 0.2345,
0.3087

 88.7225, 0.3125,
0.3290

 60.7570, 0.2268,
0.3048

 92.7646, 0.3210,
0.3316

■ 58.5846, 0.2210,
0.3009

■ 94.3847, 0.3208,
0.3341

■ 56.7550, 0.2171,
0.2971

■ 96.0281, 0.3206,
0.3367

■ 55.2140, 0.2148,
0.2934

■ 97.6948, 0.3204,
0.3392

■ 99.1924, 0.3203,
0.3415

Harmonies

Analogous

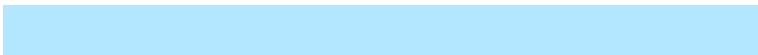
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6915, 0.2829, 0.3438



73.6915, 0.2682, 0.3197



73.6915, 0.2650, 0.2996

Triad

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



73.6915, 0.2682, 0.3197



73.6915, 0.3181, 0.2972



73.6915, 0.3523, 0.3703

Complementary

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



73.6915, 0.2682, 0.3197



53.2200, 0.3781, 0.3380

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.



73.6915, 0.3628, 0.3558



73.6915, 0.2682, 0.3197



73.6915, 0.3427, 0.3143

Square

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



73.6915, 0.2682, 0.3197



73.6915, 0.2930, 0.2878



73.6915, 0.3593, 0.3353



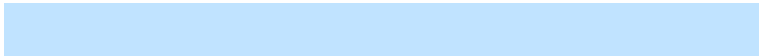
73.6915, 0.3312, 0.3739

Rectangle

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



73.6915, 0.2682, 0.3197



73.6915, 0.2696, 0.2910



73.6915, 0.3593, 0.3353



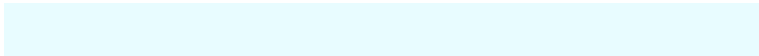
73.6915, 0.3572, 0.3665

Sweetspot

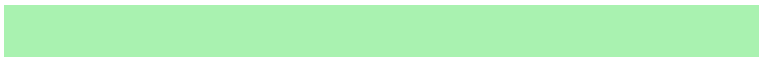
The Sweet Spot groups the original color and five complimentary colors.



73.6944, 0.2682, 0.3197



94.3034, 0.2988, 0.3265



75.1074, 0.3045, 0.4084



19.9983, 0.2965, 0.3260



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.



73.6944, 0.2682, 0.3197



80.2708, 0.2604, 0.3176



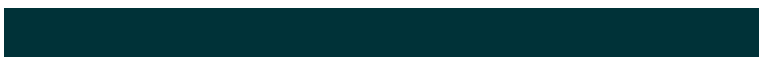
55.3468, 0.2633, 0.2768



17.6144, 0.2981, 0.3263



29.7792, 0.2150, 0.2940



2.5614, 0.2164, 0.2990

Inverse Universe

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



53.2124, 0.3227, 0.2614



54.1118, 0.3250, 0.2483



69.2517, 0.3668, 0.3760



15.9997, 0.3155, 0.3082



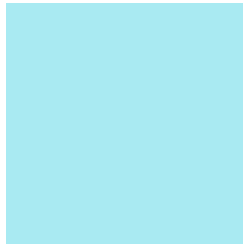
12.7996, 0.3507, 0.1706



1.0733, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 73.6915, 0.2682, 0.3197 looks on a white background.

Color Contrast Check

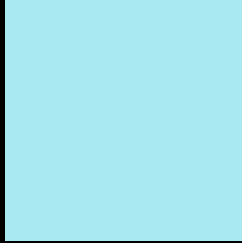
Large Text (above 18pt) WCAG AA × Fail

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 73.6915, 0.2682, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

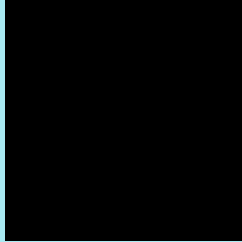
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.6915, 0.2682, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 73.6915, 0.2682, 0.3197.

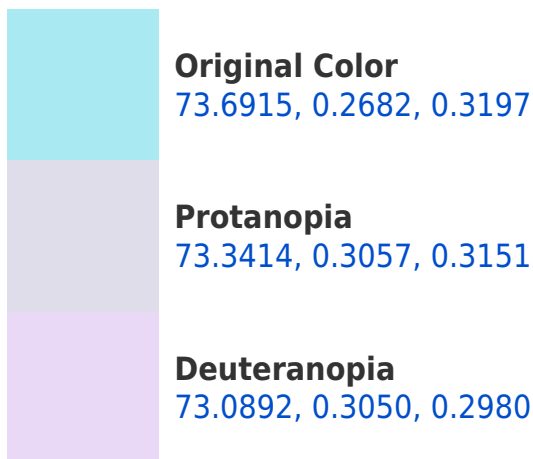


This preview shows how white text looks on a background with the Yxy color 73.6915, 0.2682, 0.3197.

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

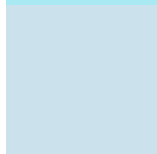
73.9008, 0.2646, 0.3086

Trichromacy



Original Color

73.6915, 0.2682, 0.3197



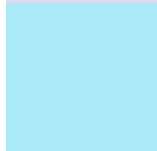
Protanomaly

73.2036, 0.2905, 0.3169



Deuteranomaly

73.0696, 0.2902, 0.3053



Tritanomaly

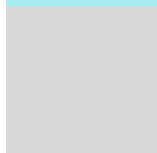
73.6012, 0.2655, 0.3119

Monochromacy



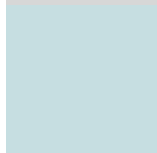
Original Color

73.6915, 0.2682, 0.3197



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

69.6846, 0.2943, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6915, 0.2682, 0.3197 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(169, 234, 242)` looks like.

```
.text, #text, p{  
    color:rgb(169, 234, 242)  
}
```

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(169, 234, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 234, 242) }
```

Border

The CSS property to change the border of an element to Yxy 73.6915, 0.2682, 0.3197 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(169, 234, 242) }
```

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

```
.border{ border-color:rgb(169, 234, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 234, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 234, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 234, 242);  
box-shadow:4px 4px 4px 4px rgb(169, 234,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6915, 0.2682, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 234, 242) }
```

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

```
.background{ background-color: rgb(169,  
234, 242) }
```

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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