

Converting Colors

$Y_{xy}(72.2206, 0.2665, 0.3175)$

Have a look what the booklet for
Yxy(72.2206, 0.2665, 0.3175)
contains.

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Color

Yxy(72.2310, 0.2663, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	A6E8F2
RGB	166, 232, 242
RGB Percent	65%, 91%, 95%
CMY	0.3491, 0.0901, 0.0510
CMYK	0.31, 0.04, 0.00, 0.05
HSL	188°, 74%, 80%
HSV	188°, 31%, 95%
XYZ	60.6021, 72.2310, 94.7378
YIQ	213.4060, -42.5460, -10.8820

Conversions

Conversions Part 2

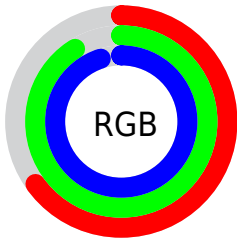
Format	Color
R _{YB}	166, 201, 242
Decimal	10938610
CIE _{Lab}	88.08, -18.27, -11.49
CIE _{LCh}	88, 21.582, 212.157
Y _{xy}	72.2310, 0.2663, 0.3174
Android (android.graphics.Color)	4289128690 (0xFFA6E8F2)
YUV	213.4060, 14.0968, -41.5751
Hunter-Lab	84.9888, -21.4492, -6.5989

Details

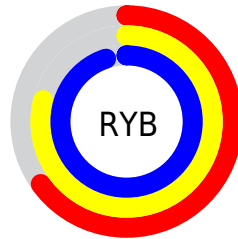
The Yxy color **72.2310, 0.2663, 0.3174** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.6538, 0.3812, 0.3402**, and the grayscale version is **66.7476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **37.9753, 0.2556, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **68.0897, 0.2535, 0.3132**, and if you desaturate by 10%, it is **76.9023, 0.2803, 0.3214**.

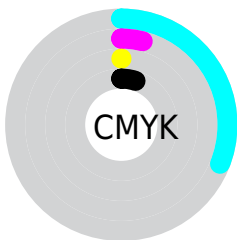
Distribution



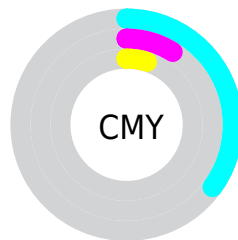
- Red (65%)
- Green (91%)
- Blue (95%)



- Red (65%)
- Yellow (79%)
- Blue (95%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)





- Cyan (35%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2310, 0.2663, 0.3174 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 72.2310, 0.2663, 0.3174 by changing the saturation by 10% instead.


 72.2310, 0.2663,
0.3174


 72.2310, 0.2663,
0.3174


468.3452, 0.2875,
0.3232

 53.3474, 0.2615,
0.3160


 122.3849, 0.2736,
0.3195

 38.0802, 0.2557,
0.3142


 154.4240, 0.2764,
0.3203

 26.0449, 0.2484,
0.3119


191.6170, 0.2789,
0.3209

 16.8572, 0.2390,
0.3087

234.3484, 0.2810,
0.3215

 10.1328, 0.2264,
0.3042

283.0025, 0.2829,
0.3220

 5.4871, 0.2087,
0.2974

337.9638, 0.2846,

 2.5358, 0.1824,

0.3224

0.2858

399.6165, 0.2861,
0.3228

0.8945, 0.1215,
0.2690

0.0000, 0.0000,
0.0000

72.2310, 0.2663,
0.3174

72.2310, 0.2663,
0.3174

68.0897, 0.2535,
0.3132

76.9023, 0.2803,
0.3214

64.4420, 0.2421,
0.3087

82.1205, 0.2951,
0.3251

61.2600, 0.2325,
0.3041

87.9126, 0.3105,
0.3285

58.5097, 0.2247,
0.2995

92.7986, 0.3211,
0.3317

■ 56.1519, 0.2189,
0.2948

■ 94.7326, 0.3208,
0.3347

■ 54.1393, 0.2150,
0.2902

■ 96.6997, 0.3206,
0.3378

■ 52.6228, 0.2129,
0.2862

■ 98.7001, 0.3203,
0.3408

■ 99.1898, 0.3203,
0.3415

Harmonies

Analogous

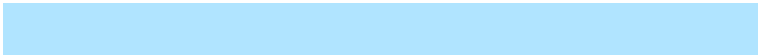
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2310, 0.2804, 0.3420



72.2310, 0.2663, 0.3174



72.2310, 0.2641, 0.2974

Triad

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



72.2310, 0.2663, 0.3174



72.2310, 0.3206, 0.2976



72.2310, 0.3518, 0.3722

Complementary

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



72.2310, 0.2663, 0.3174



52.6538, 0.3812, 0.3402

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.



72.2310, 0.3638, 0.3580



72.2310, 0.2663, 0.3174



72.2310, 0.3454, 0.3156

Square

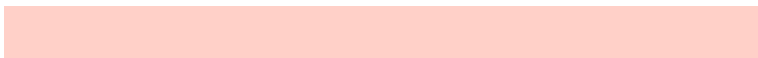
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2310, 0.2663, 0.3174



72.2310, 0.2945, 0.2872



72.2310, 0.3614, 0.3374



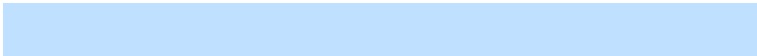
72.2310, 0.3295, 0.3748

Rectangle

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



72.2310, 0.2663, 0.3174



72.2310, 0.2695, 0.2892



72.2310, 0.3614, 0.3374



72.2310, 0.3572, 0.3685

Sweetspot

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



72.2339, 0.2663, 0.3174



93.9985, 0.2988, 0.3260



74.6868, 0.3035, 0.4107



19.9227, 0.2965, 0.3255



0.0000, 0.0000, 0.0000



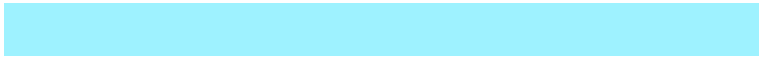
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2339, 0.2663, 0.3174



78.1761, 0.2576, 0.3146



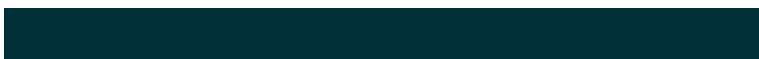
53.5924, 0.2610, 0.2727



17.5545, 0.2981, 0.3258



28.4185, 0.2131, 0.2870



2.4616, 0.2147, 0.2931

Inverse Universe

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



51.9628, 0.3245, 0.2602



52.1761, 0.3275, 0.2457



69.1368, 0.3690, 0.3794



15.9936, 0.3158, 0.3087



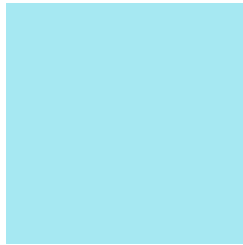
12.6622, 0.3570, 0.1741



1.0632, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 72.2310, 0.2663, 0.3174 looks on a white background.

Color Contrast Check

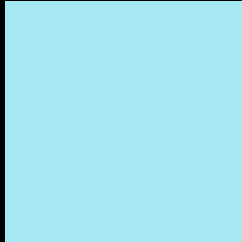
Large Text (above 18pt) WCAG AA × Fail

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 72.2310, 0.2663, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

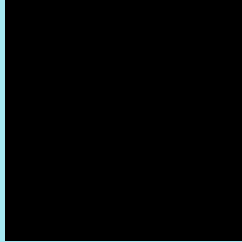
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.2310, 0.2663, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 72.2310, 0.2663, 0.3174.

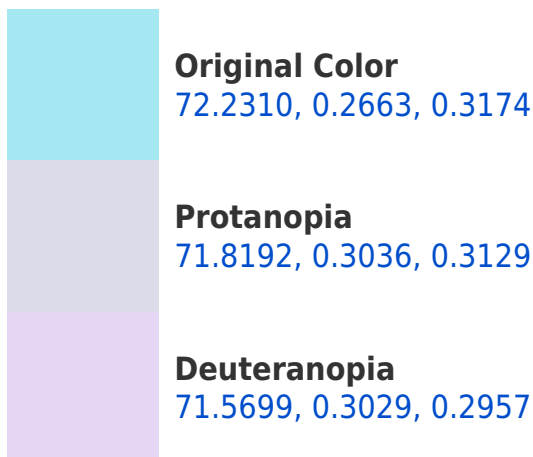


This preview shows how white text looks on a background with the Yxy color 72.2310, 0.2663, 0.3174.

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

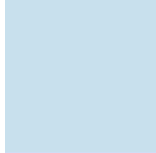
72.3162, 0.2637, 0.3084

Trichromacy



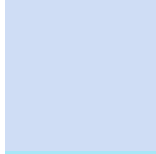
Original Color

72.2310, 0.2663, 0.3174



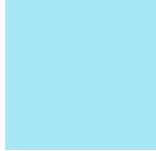
Protanomaly

71.7051, 0.2885, 0.3145



Deuteranomaly

71.5709, 0.2881, 0.3029



Tritanomaly

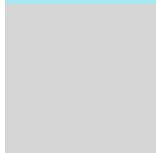
72.0211, 0.2647, 0.3117

Monochromacy



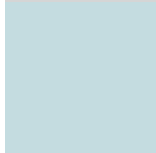
Original Color

72.2310, 0.2663, 0.3174



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.3040, 0.2936, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2310, 0.2663, 0.3174 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(166, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(166, 232, 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(166, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 232, 242) }
```

Border

The CSS property to change the border of an element to Yxy 72.2310, 0.2663, 0.3174 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(166, 232, 242) }
```

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

```
.border{ border-color:rgb(166, 232, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 232, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(166, 232,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2310, 0.2663, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 232, 242) }
```

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

```
.background{ background-color: rgb(166,  
232, 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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