

Converting Colors

$Y_{xy}(72.8509, 0.2624, 0.3173)$

Have a look what the booklet for
Yxy(72.8509, 0.2624, 0.3173)
contains.

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Color

Yxy(72.8509, 0.2624, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	A0EAF4
RGB	160, 234, 244
RGB Percent	63%, 92%, 96%
CMY	0.3727, 0.0823, 0.0430
CMYK	0.34, 0.04, 0.00, 0.04
HSL	187°, 79%, 79%
HSV	187°, 34%, 96%
XYZ	60.2461, 72.8509, 96.4993
YIQ	213.0140, -47.3140, -12.5780

Conversions

Conversions Part 2

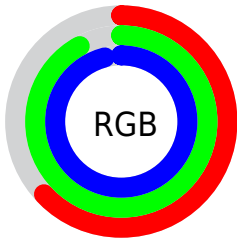
Format	Color
R _Y B	160, 199, 244
Decimal	10545908
CIE Lab	88.38, -20.40, -12.15
CIE LCh	88, 23.741, 210.785
Yxy	72.8509, 0.2624, 0.3173
Android (android.graphics.Color)	4288735988 (0xFFA0EAF4)
YUV	213.0140, 15.2761, -46.4933
Hunter-Lab	85.3527, -23.3734, -7.2860

Details

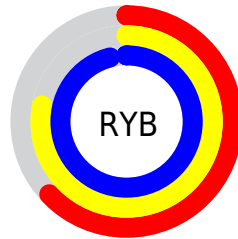
The Yxy color **72.8509, 0.2624, 0.3173** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.5178, 0.3908, 0.3402**, and the grayscale version is **66.4658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **38.4147, 0.2507, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **68.9384, 0.2501, 0.3134**, and if you desaturate by 10%, it is **77.2899, 0.2760, 0.3210**.

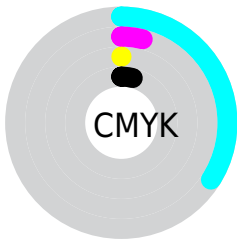
Distribution



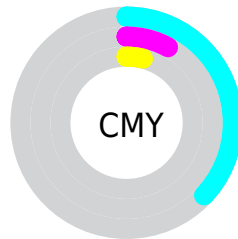
- Red (63%)
- Green (92%)
- Blue (96%)



- Red (63%)
- Yellow (78%)
- Blue (96%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)





- Cyan (37%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8509, 0.2624, 0.3173 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 72.8509, 0.2624, 0.3173 by changing the saturation by 10% instead.


 72.8509, 0.2624,
0.3173

 72.8509, 0.2624,
0.3173


470.4979, 0.2853,
0.3232

 53.8541, 0.2573,
0.3159


 123.2655, 0.2703,
0.3194

 38.4850, 0.2510,
0.3140

 155.4521, 0.2733,
0.3202

 26.3593, 0.2432,
0.3116


192.8040, 0.2760,
0.3209

 17.0926, 0.2331,
0.3084

235.7057, 0.2783,
0.3215

 10.3006, 0.2197,
0.3037

284.5415, 0.2804,
0.3220

 5.5987, 0.2010,
0.2966

339.6959, 0.2822,

 2.6026, 0.1734,

0.3224

401.5532, 0.2838,
0.3228

0.2845

0.9280, 0.1103,
0.2670

0.0000, 0.0000,
0.0000

72.8509, 0.2624,
0.3173

72.8509, 0.2624,
0.3173

68.9384, 0.2501,
0.3134

77.2899, 0.2760,
0.3210

65.5147, 0.2394,
0.3093

82.2736, 0.2906,
0.3245

62.5503, 0.2305,
0.3051

87.8296, 0.3058,
0.3277

60.0092, 0.2235,
0.3009

93.4906, 0.3197,
0.3306

■ 57.8492, 0.2184,
0.2967

■ 95.2711, 0.3195,
0.3334

■ 56.0189, 0.2152,
0.2926

■ 97.0794, 0.3193,
0.3362

■ 55.1035, 0.2140,
0.2903

■ 98.9156, 0.3191,
0.3389

■ 99.3137, 0.3191,
0.3395

Harmonies

Analogous

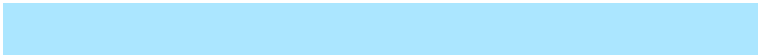
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8509, 0.2783, 0.3445



72.8509, 0.2624, 0.3173



72.8509, 0.2594, 0.2951

Triad

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



72.8509, 0.2624, 0.3173



72.8509, 0.3199, 0.2940



72.8509, 0.3565, 0.3758

Complementary

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



72.8509, 0.2624, 0.3173



50.5178, 0.3908, 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.



72.8509, 0.3690, 0.3597



72.8509, 0.2624, 0.3173



72.8509, 0.3474, 0.3133

Square

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



72.8509, 0.2624, 0.3173



72.8509, 0.2915, 0.2831



72.8509, 0.3657, 0.3369



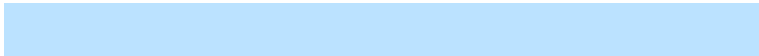
72.8509, 0.3323, 0.3796

Rectangle

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



72.8509, 0.2624, 0.3173



72.8509, 0.2648, 0.2858



72.8509, 0.3657, 0.3369



72.8509, 0.3622, 0.3716

Sweetspot

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



72.8538, 0.2624, 0.3173



93.5560, 0.2972, 0.3259



75.0838, 0.3026, 0.4201



19.8422, 0.2951, 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.



72.8538, 0.2624, 0.3173



77.5703, 0.2541, 0.3147



51.7839, 0.2556, 0.2663



18.4007, 0.2981, 0.3261



30.0871, 0.2142, 0.2909



2.7377, 0.2156, 0.2961

Inverse Universe

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



50.3068, 0.3250, 0.2526



49.6596, 0.3279, 0.2383



68.7645, 0.3754, 0.3844



16.7323, 0.3156, 0.3084



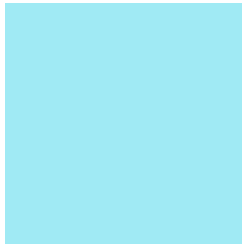
13.1367, 0.3535, 0.1721



1.1640, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 72.8509, 0.2624, 0.3173 looks on a white background.

Color Contrast Check

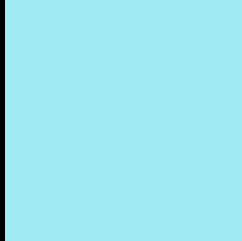
Large Text (above 18pt) WCAG AA × Fail

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 72.8509, 0.2624, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

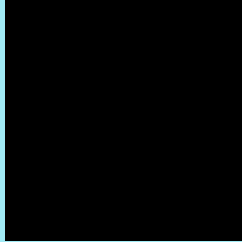
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8509, 0.2624, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 72.8509, 0.2624, 0.3173.

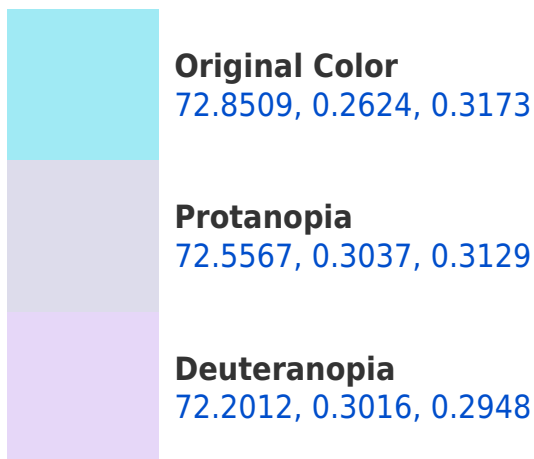


This preview shows how white text looks on a background with the Yxy color 72.8509, 0.2624, 0.3173.

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

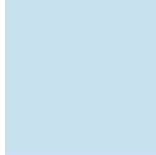
72.9875, 0.2594, 0.3073

Trichromacy



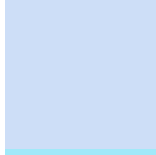
Original Color

72.8509, 0.2624, 0.3173



Protanomaly

72.1656, 0.2873, 0.3146



Deuteranomaly

71.9371, 0.2857, 0.3019



Tritanomaly

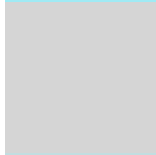
72.6944, 0.2603, 0.3106

Monochromacy



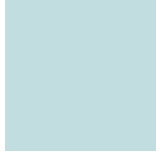
Original Color

72.8509, 0.2624, 0.3173



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.5641, 0.2923, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8509, 0.2624, 0.3173 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(160, 234, 244)` looks like.

```
.text, #text, p{  
    color:rgb(160, 234, 244)  
}
```

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(160, 234, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 234, 244) }
```

Border

The CSS property to change the border of an element to Yxy 72.8509, 0.2624, 0.3173 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(160, 234, 244) }
```

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

```
.border{ border-color:rgb(160, 234, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 234, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 234, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 234, 244);  
box-shadow:4px 4px 4px 4px rgb(160, 234,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8509, 0.2624, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 234, 244) }
```

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

```
.background{ background-color: rgb(160,  
234, 244) }
```

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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