

Converting Colors

$Yxy(72.4557, 0.2738, 0.3296)$

Have a look what the booklet for
Yxy(72.4557, 0.2738, 0.3296)
contains.

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Color

Yxy(72.6501, 0.2739, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	AAE9E8
RGB	170, 233, 232
RGB Percent	67%, 91%, 91%
CMY	0.3329, 0.0863, 0.0901
CMYK	0.27, 0.00, 0.00, 0.09
HSL	179°, 59%, 79%
HSV	179°, 27%, 91%
XYZ	60.2996, 72.6501, 87.2021
YIQ	214.0490, -37.2270, -13.6670

Conversions

Conversions Part 2

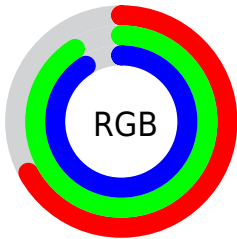
Format	Color
RYB	170, 202, 233
Decimal	11201000
CIELab	88.28, -19.85, -5.94
CIELCh	88, 20.723, 196.649
Yxy	72.6501, 0.2739, 0.3300
Android (android.graphics.Color)	4289391080 (0xFFAAE9E8)
YUV	214.0490, 8.8498, -38.6310
Hunter-Lab	85.2350, -22.8813, -0.9938

Details

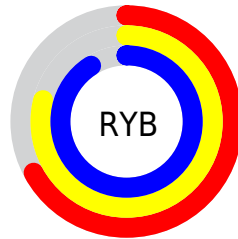
The Yxy color **72.6501, 0.2739, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **49.0505, 0.3702, 0.3281**, and the grayscale version is **67.2531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **38.2919, 0.2654, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **70.2603, 0.2617, 0.3304**, and if you desaturate by 10%, it is **75.5060, 0.2874, 0.3296**.

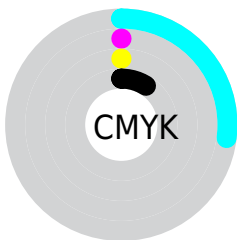
Distribution



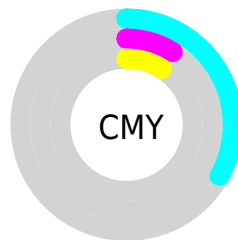
- Red (67%)
- Green (91%)
- Blue (91%)



- Red (67%)
- Yellow (79%)
- Blue (91%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (33%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6501, 0.2739, 0.3300 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 72.6501, 0.2739, 0.3300 by changing the saturation by 10% instead.


 72.6501, 0.2739,
0.3300

 72.6501, 0.2739,
0.3300

469.8012, 0.2917,
0.3298

 53.6899, 0.2699,
0.3300


 122.9804, 0.2800,
0.3300

 38.3538, 0.2649,
0.3299


155.1192, 0.2824,
0.3300

 26.2574, 0.2587,
0.3298


192.4197, 0.2845,
0.3299

 17.0163, 0.2507,
0.3296

235.2663, 0.2863,
0.3299

 10.2461, 0.2398,
0.3292

284.0434, 0.2879,
0.3299

 5.5624, 0.2244,
0.3282

339.1353, 0.2893,

 2.5809, 0.2010,

0.3298

0.3260

400.9264, 0.2906,
0.3298

0.9171, 0.1386,
0.3287

0.0000, 0.0000,
0.0000

72.6501, 0.2739,
0.3300

72.6501, 0.2739,
0.3300

70.2603, 0.2617,
0.3304

75.5060, 0.2874,
0.3296

68.3035, 0.2511,
0.3309

78.8418, 0.3020,
0.3292

66.7562, 0.2424,
0.3314

82.6813, 0.3174,
0.3289

65.5889, 0.2355,
0.3318

85.4374, 0.3275,
0.3286

■ 64.7683, 0.2306,
0.3323

■ 85.4579, 0.3272,
0.3282

■ 64.2555, 0.2276,
0.3328

■ 85.4784, 0.3270,
0.3279

■ 64.0000, 0.2262,
0.3333

■ 85.4990, 0.3268,
0.3275

■ 63.9487, 0.2260,
0.3335

■ 85.5196, 0.3265,
0.3272

■ 85.5402, 0.3263,
0.3268

Harmonies

Analogous

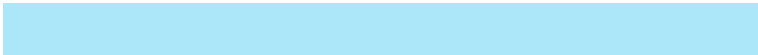
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6501, 0.2924, 0.3531



72.6501, 0.2739, 0.3300



72.6501, 0.2656, 0.3078

Triad

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



72.6501, 0.2739, 0.3300



72.6501, 0.3070, 0.2926



72.6501, 0.3577, 0.3645

Complementary

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



72.6501, 0.2739, 0.3300



49.0505, 0.3702, 0.3281

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.



72.6501, 0.3622, 0.3471



72.6501, 0.2739, 0.3300



72.6501, 0.3323, 0.3065

Square

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



72.6501, 0.2739, 0.3300



72.6501, 0.2841, 0.2874



72.6501, 0.3529, 0.3261



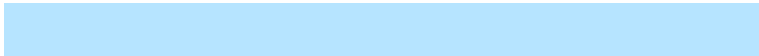
72.6501, 0.3408, 0.3732

Rectangle

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



72.6501, 0.2739, 0.3300



72.6501, 0.2667, 0.2966



72.6501, 0.3529, 0.3261



72.6501, 0.3607, 0.3595

Sweetspot

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



72.6530, 0.2739, 0.3300



96.3140, 0.3005, 0.3293



69.8491, 0.3098, 0.4065



20.4764, 0.2982, 0.3293



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.



72.6530, 0.2739, 0.3300



87.5896, 0.2674, 0.3302



56.9578, 0.2698, 0.2924



17.1177, 0.2983, 0.3293



36.2935, 0.2259, 0.3334



2.8512, 0.2258, 0.3327

Inverse Universe

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



49.0505, 0.3702, 0.3281



54.3822, 0.3857, 0.3279



61.7645, 0.3622, 0.3630



15.0578, 0.3291, 0.3287



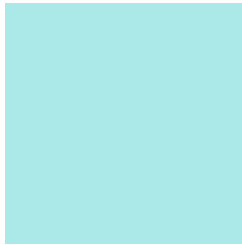
9.8359, 0.6384, 0.3291



0.7737, 0.6339, 0.3266

Previews

White Background



This preview shows how the Yxy color 72.6501, 0.2739, 0.3300 looks on a white background.

Color Contrast Check

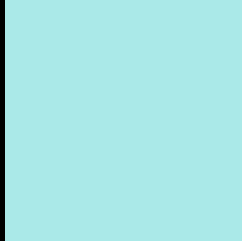
Large Text (above 18pt) WCAG AA × Fail

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 72.6501, 0.2739, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

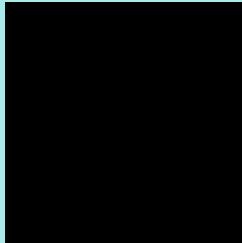
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6501, 0.2739, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 72.6501, 0.2739, 0.3300.

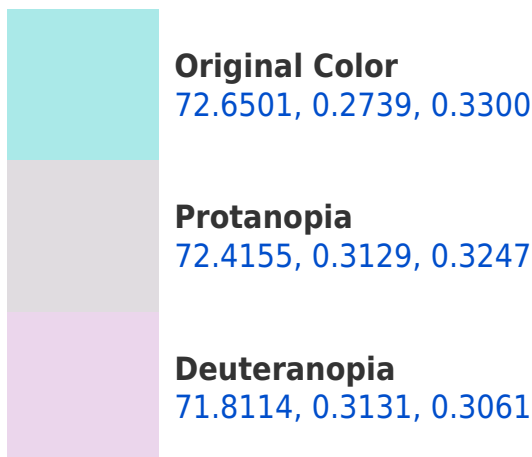


This preview shows how white text looks on a background with the Yxy color 72.6501, 0.2739, 0.3300.

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

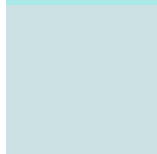
72.4319, 0.2668, 0.3075

Trichromacy



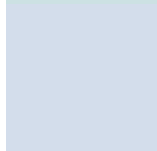
Original Color

72.6501, 0.2739, 0.3300



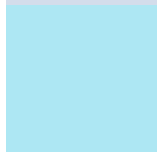
Protanomaly

72.2338, 0.2971, 0.3267



Deuteranomaly

71.5599, 0.2968, 0.3137



Tritanomaly

72.5071, 0.2695, 0.3152

Monochromacy



Original Color

72.6501, 0.2739, 0.3300



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

68.9391, 0.2968, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6501, 0.2739, 0.3300 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(170, 233, 232)` looks like.

```
.text, #text, p{  
    color:rgb(170, 233, 232)  
}
```

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(170, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 233, 232) }
```

Border

The CSS property to change the border of an element to Yxy 72.6501, 0.2739, 0.3300 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(170, 233, 232) }
```

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

```
.border{ border-color:rgb(170, 233, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(170, 233,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6501, 0.2739, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 233, 232) }
```

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

```
.background{ background-color: rgb(170,  
233, 232) }
```

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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