

Converting Colors

$Yxy(73.2986, 0.2663, 0.3331)$

Have a look what the booklet for
Yxy(73.2986, 0.2663, 0.3331)
contains.

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Color

Yxy(73.5195, 0.2663, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	9CEDE9
RGB	156, 237, 233
RGB Percent	61%, 93%, 91%
CMY	0.3886, 0.0705, 0.0863
CMYK	0.34, 0.00, 0.02, 0.07
HSL	177°, 69%, 77%
HSV	177°, 34%, 93%
XYZ	58.6878, 73.5195, 88.1749
YIQ	212.3250, -46.9920, -18.4160

Conversions

Conversions Part 2

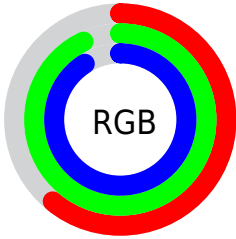
Format	Color
RYB	156, 198, 237
Decimal	10284521
CIELab	88.69, -25.50, -5.91
CIELCh	89, 26.179, 193.050
Yxy	73.5195, 0.2663, 0.3336
Android (android.graphics.Color)	4288474601 (0xFF9CEDE9)
YUV	212.3250, 10.1928, -49.3970
Hunter-Lab	85.7435, -27.8755, -0.9508

Details

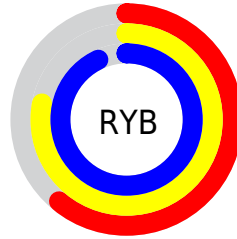
The Yxy color **73.5195, 0.2663, 0.3336** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.2931, 0.3896, 0.3247**, and the grayscale version is **66.0091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **38.9314, 0.2557, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **71.3185, 0.2555, 0.3352**, and if you desaturate by 10%, it is **76.1881, 0.2786, 0.3321**.

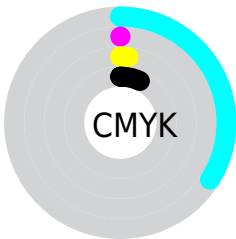
Distribution



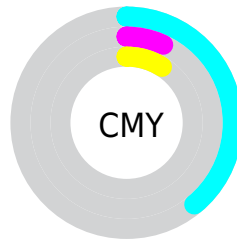
- Red (61%)
- Green (93%)
- Blue (91%)



- Red (61%)
- Yellow (78%)
- Blue (93%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)





- Cyan (39%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5195, 0.2663, 0.3336 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 73.5195, 0.2663, 0.3336 by changing the saturation by 10% instead.


 73.5195, 0.2663,
0.3336


 73.5195, 0.2663,
0.3336


472.8133, 0.2875,
0.3318

 54.4009, 0.2615,
0.3339

 124.2144, 0.2736,
0.3330

 38.9222, 0.2557,
0.3343


 156.5595, 0.2764,
0.3328

 26.6992, 0.2484,
0.3347


194.0822, 0.2789,
0.3326

 17.3475, 0.2389,
0.3351

237.1668, 0.2811,
0.3324

 10.4825, 0.2262,
0.3355

286.1979, 0.2830,
0.3322

 5.7200, 0.2083,
0.3356

341.5597, 0.2846,

 2.6756, 0.1816,

0.3321

403.6368, 0.2861,
0.3319

0.3348

0.9648, 0.1041,
0.3435

0.0000, 0.0000,
0.0000

73.5195, 0.2663,
0.3336

73.5195, 0.2663,
0.3336

71.3185, 0.2555,
0.3352

76.1881, 0.2786,
0.3321

69.5493, 0.2465,
0.3368


79.3402, 0.2920,
0.3308

68.1850, 0.2393,
0.3384

83.0017, 0.3064,
0.3295


67.1923, 0.2341,
0.3401


87.1943, 0.3215,
0.3284


 66.5322, 0.2309,
0.3417


 88.0658, 0.3236,
0.3272

 66.1574, 0.2293,
0.3434

 88.1357, 0.3229,
0.3261

 66.0291, 0.2290,
0.3443

 88.2061, 0.3221,
0.3249

 88.2769, 0.3214,
0.3238

 88.3482, 0.3206,
0.3226

Harmonies

Analogous

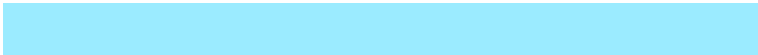
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5195, 0.2904, 0.3627



73.5195, 0.2663, 0.3336



73.5195, 0.2545, 0.3049

Triad

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



73.5195, 0.2663, 0.3336



73.5195, 0.3016, 0.2824



73.5195, 0.3709, 0.3710

Complementary

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



73.5195, 0.2663, 0.3336



44.2931, 0.3896, 0.3247

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.



73.5195, 0.3747, 0.3481



73.5195, 0.2663, 0.3336



73.5195, 0.3336, 0.2985

Square

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



73.5195, 0.2663, 0.3336



73.5195, 0.2740, 0.2772



73.5195, 0.3609, 0.3219



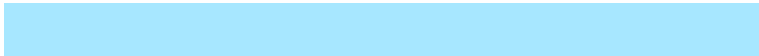
73.5195, 0.3510, 0.3842

Rectangle

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



73.5195, 0.2663, 0.3336



73.5195, 0.2547, 0.2902



73.5195, 0.3609, 0.3219



73.5195, 0.3741, 0.3641

Sweetspot

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



73.5224, 0.2663, 0.3336



95.3989, 0.2980, 0.3302



70.4487, 0.3104, 0.4307



20.2916, 0.2959, 0.3304



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.



73.5224, 0.2663, 0.3336



84.9361, 0.2587, 0.3347



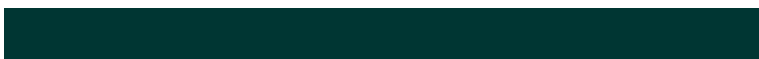
54.7266, 0.2584, 0.2842



17.1082, 0.2988, 0.3301



36.0481, 0.2289, 0.3441



2.8346, 0.2283, 0.3418

Inverse Universe

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



44.2931, 0.3896, 0.3247



45.6052, 0.4132, 0.3238



58.2865, 0.3797, 0.3697



15.0662, 0.3285, 0.3279



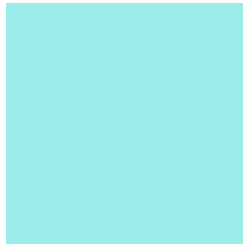
9.8496, 0.6347, 0.3270



0.7777, 0.6205, 0.3192

Previews

White Background



This preview shows how the Yxy color 73.5195, 0.2663, 0.3336 looks on a white background.

Color Contrast Check

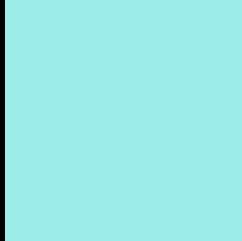
Large Text (above 18pt) WCAG AA × Fail

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 73.5195, 0.2663, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

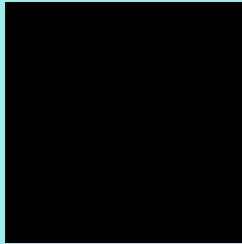
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.5195, 0.2663, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 73.5195, 0.2663, 0.3336.

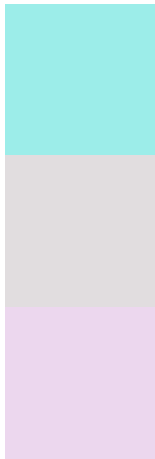


This preview shows how white text looks on a background with the Yxy color 73.5195, 0.2663, 0.3336.

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



Original Color

73.5195, 0.2663, 0.3336

Protanopia

73.0482, 0.3142, 0.3269

Deuteranopia

72.6068, 0.3124, 0.3052



Tritanopia

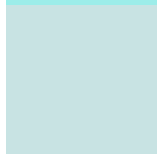
73.5146, 0.2585, 0.3073

Trichromacy



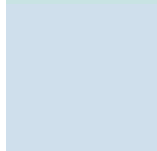
Original Color

73.5195, 0.2663, 0.3336



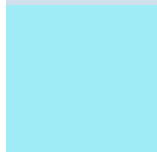
Protanomaly

72.7636, 0.2945, 0.3289



Deuteranomaly

72.0969, 0.2936, 0.3147



Tritanomaly

73.4414, 0.2611, 0.3162

Monochromacy



Original Color

73.5195, 0.2663, 0.3336



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.0867, 0.2934, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5195, 0.2663, 0.3336 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(156, 237, 233)` looks like.

```
.text, #text, p{  
    color:rgb(156, 237, 233)  
}
```

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(156, 237, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 237, 233) }
```

Border

The CSS property to change the border of an element to Yxy 73.5195, 0.2663, 0.3336 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(156, 237, 233) }
```

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

```
.border{ border-color:rgb(156, 237, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 237, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 237, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 237, 233);  
box-shadow:4px 4px 4px 4px rgb(156, 237,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5195, 0.2663, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 237, 233) }
```

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

```
.background{ background-color: rgb(156,  
237, 233) }
```

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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