

Converting Colors

$Yxy(72.4032, 0.2674, 0.3386)$

Have a look what the booklet for
Yxy(72.4032, 0.2674, 0.3386)
contains.

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Color

Yxy(72.3646, 0.2672, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	99ECE4
RGB	153, 236, 228
RGB Percent	60%, 93%, 89%
CMY	0.3998, 0.0745, 0.1060
CMYK	0.35, 0.00, 0.03, 0.07
HSL	174°, 69%, 76%
HSV	174°, 35%, 93%
XYZ	57.1390, 72.3646, 84.3398
YIQ	210.2710, -46.9000, -20.0840

Conversions

Conversions Part 2

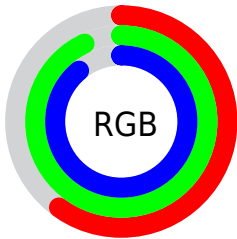
Format	Color
R _Y B	153, 197, 236
Decimal	10087652
CIE Lab	88.14, -26.91, -4.12
CIE LCh	88, 27.220, 188.703
Yxy	72.3646, 0.2672, 0.3384
Android (android.graphics.Color)	4288277732 (0xFF99ECE4)
YUV	210.2710, 8.7404, -50.2267
Hunter-Lab	85.0674, -28.9712, 0.7643

Details

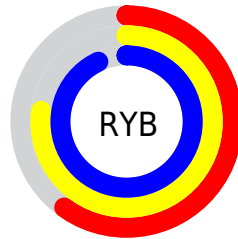
The Yxy color **72.3646, 0.2672, 0.3384** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.2043, 0.3885, 0.3201**, and the grayscale version is **64.6071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **38.2010, 0.2562, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **70.1671, 0.2570, 0.3415**, and if you desaturate by 10%, it is **75.0238, 0.2789, 0.3355**.

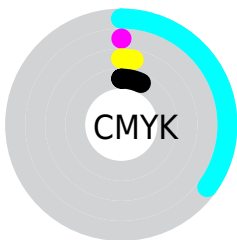
Distribution



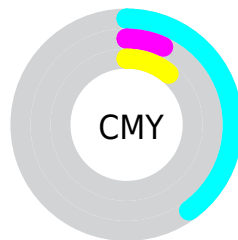
- Red (60%)
- Green (93%)
- Blue (89%)



- Red (60%)
- Yellow (77%)
- Blue (93%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)




- Cyan (40%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3646, 0.2672, 0.3384 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 72.3646, 0.2672, 0.3384 by changing the saturation by 10% instead.


 72.3646, 0.2672,
0.3384


 72.3646, 0.2672,
0.3384


468.8096, 0.2881,
0.3343

 53.4566, 0.2625,
0.3393


 122.5748, 0.2744,
0.3370

 38.1674, 0.2567,
0.3403


 154.6457, 0.2772,
0.3365

 26.1126, 0.2494,
0.3416


191.8730, 0.2796,
0.3360

 16.9079, 0.2399,
0.3432

234.6411, 0.2818,
0.3356

 10.1689, 0.2271,
0.3451

283.3345, 0.2836,
0.3352

 5.5111, 0.2091,
0.3476

338.3374, 0.2853,

 2.5501, 0.1818,

0.3349

0.3506

400.0343, 0.2868,
0.3346

0.9017, 0.0832,
0.3750

0.0000, 0.0000,
0.0000

72.3646, 0.2672,
0.3384

72.3646, 0.2672,
0.3384

70.1671, 0.2570,
0.3415

75.0238, 0.2789,
0.3355

68.3955, 0.2485,
0.3447


78.1605, 0.2917,
0.3327

67.0232, 0.2418,
0.3480


81.8008, 0.3054,
0.3302

66.0165, 0.2371,
0.3514

85.9659, 0.3197,
0.3279

 65.3365, 0.2343,
0.3547


 87.5056, 0.3234,
0.3257


 64.9350, 0.2333,
0.3580

 87.6416, 0.3219,
0.3235

 64.8044, 0.2332,
0.3596

 87.7793, 0.3205,
0.3213

 87.9187, 0.3190,
0.3191

 88.0599, 0.3176,
0.3169

Harmonies

Analogous

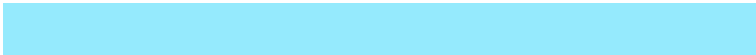
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3646, 0.2938, 0.3681



72.3646, 0.2672, 0.3384



72.3646, 0.2528, 0.3076

Triad

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



72.3646, 0.2672, 0.3384



72.3646, 0.2964, 0.2789



72.3646, 0.3752, 0.3698

Complementary

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



72.3646, 0.2672, 0.3384



43.2043, 0.3885, 0.3201

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.



72.3646, 0.3766, 0.3449



72.3646, 0.2672, 0.3384



72.3646, 0.3297, 0.2942

Square

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



72.3646, 0.2672, 0.3384



72.3646, 0.2689, 0.2753



72.3646, 0.3596, 0.3177



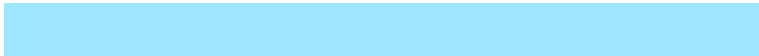
72.3646, 0.3565, 0.3856

Rectangle

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



72.3646, 0.2672, 0.3384



72.3646, 0.2515, 0.2913



72.3646, 0.3596, 0.3177



72.3646, 0.3778, 0.3621

Sweetspot

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



72.3675, 0.2672, 0.3384



94.8894, 0.2972, 0.3317



69.9042, 0.3130, 0.4331



20.1866, 0.2954, 0.3320



0.0000, 0.0000, 0.0000



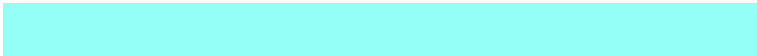
21.4041, 0.3127, 0.3290

Same Dimension

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



72.3675, 0.2672, 0.3384



84.3776, 0.2599, 0.3406



55.4577, 0.2576, 0.2881



17.0953, 0.2994, 0.3313



35.7322, 0.2331, 0.3591



2.8131, 0.2318, 0.3545

Inverse Universe

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



43.2043, 0.3885, 0.3201



44.8858, 0.4115, 0.3184



55.3468, 0.3836, 0.3663



15.0777, 0.3278, 0.3268



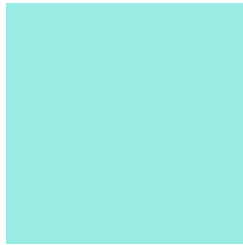
9.8719, 0.6288, 0.3238



0.7832, 0.6034, 0.3098

Previews

White Background



This preview shows how the Yxy color 72.3646, 0.2672, 0.3384 looks on a white background.

Color Contrast Check

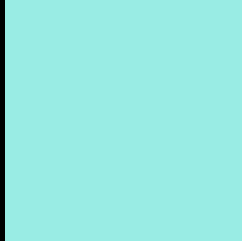
Large Text (above 18pt) WCAG AA × Fail

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 72.3646, 0.2672, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

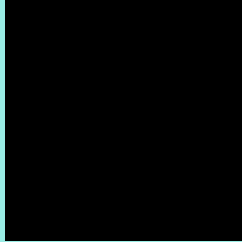
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3646, 0.2672, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 72.3646, 0.2672, 0.3384.

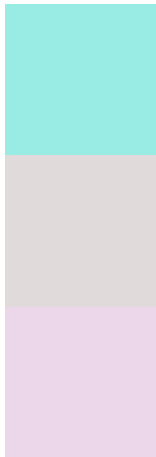


This preview shows how white text looks on a background with the Yxy color 72.3646, 0.2672, 0.3384.

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

72.3646, 0.2672, 0.3384

Protanopia

71.5723, 0.3170, 0.3301

Deuteranopia

71.8092, 0.3158, 0.3092



Tritanopia

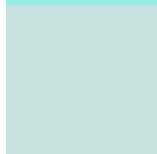
72.0492, 0.2582, 0.3071

Trichromacy



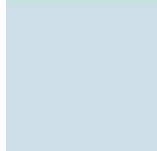
Original Color

72.3646, 0.2672, 0.3384



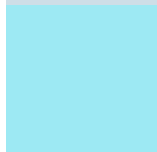
Protanomaly

71.1301, 0.2962, 0.3323



Deuteranomaly

71.1339, 0.2960, 0.3190



Tritanomaly

71.9170, 0.2612, 0.3172

Monochromacy



Original Color

72.3646, 0.2672, 0.3384



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.4916, 0.2932, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3646, 0.2672, 0.3384 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(153, 236, 228)` looks like.

```
.text, #text, p{  
    color:rgb(153, 236, 228)  
}
```

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(153, 236, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 236, 228) }
```

Border

The CSS property to change the border of an element to Yxy 72.3646, 0.2672, 0.3384 is called "border". The border property can be set on classes, ids or directly on the HTML element.

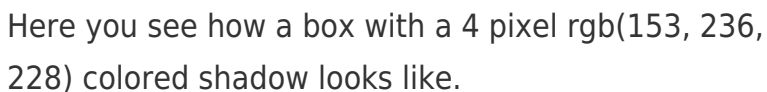
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 236, 228) }
```

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

```
.border{ border-color:rgb(153, 236, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 236, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(153, 236,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3646, 0.2672, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 236, 228) }
```

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

```
.background{ background-color: rgb(153,  
236, 228) }
```

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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