

Converting Colors

$Yxy(72.9439, 0.2739, 0.3549)$

Have a look what the booklet for
Yxy(72.9439, 0.2739, 0.3549)
contains.

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Color

Yxy(72.9770, 0.2741, 0.3554)

Conversions

Conversions Part 1

Format	Color
Hex	9AEED8
RGB	154, 238, 216
RGB Percent	60%, 93%, 85%
CMY	0.3964, 0.0666, 0.1530
CMYK	0.35, 0.00, 0.09, 0.07
HSL	164°, 71%, 77%
HSV	164°, 35%, 93%
XYZ	56.2830, 72.9770, 76.0776
YIQ	210.3760, -43.0020, -24.6500

Conversions

Conversions Part 2

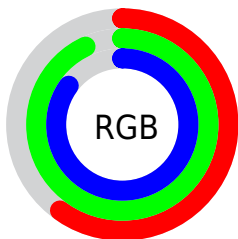
Format	Color
RYB	154, 202, 238
Decimal	10153688
CIELab	88.44, -30.29, 2.59
CIElCh	88, 30.398, 175.109
Yxy	72.9770, 0.2741, 0.3554
Android (android.graphics.Color)	4288343768 (0xFF9AEED8)
YUV	210.3760, 2.7726, -49.4418
Hunter-Lab	85.4266, -31.8923, 6.9972

Details

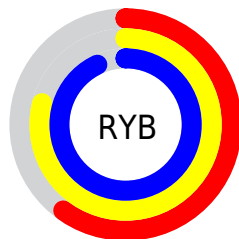
The Yxy color **72.9770, 0.2741, 0.3554** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.3985, 0.3748, 0.3046**, and the grayscale version is **64.7015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **38.6818, 0.2653, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **70.5565, 0.2654, 0.3643**, and if you desaturate by 10%, it is **75.8786, 0.2840, 0.3471**.

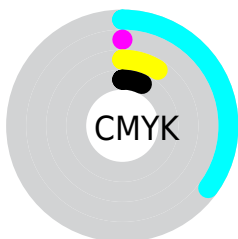
Distribution



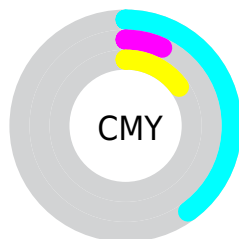
- Red (60%)
- Green (93%)
- Blue (85%)



- Red (60%)
- Yellow (79%)
- Blue (93%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)




- Cyan (40%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9770, 0.2741, 0.3554 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 72.9770, 0.2741, 0.3554 by changing the saturation by 10% instead.

 72.9770, 0.2741,
0.3554


 72.9770, 0.2741,
0.3554

470.9351, 0.2920,
0.3431

 53.9572, 0.2700,
0.3582


 123.4446, 0.2803,
0.3511

 38.5674, 0.2650,
0.3618


 155.6611, 0.2827,
0.3494

 26.4234, 0.2586,
0.3663


193.0452, 0.2848,
0.3480

 17.1406, 0.2502,
0.3722

235.9815, 0.2866,
0.3468

 10.3348, 0.2388,
0.3804

284.8542, 0.2882,
0.3457

 5.6215, 0.2225,
0.3923


340.0478, 0.2896,

 2.6163, 0.1971,

0.3447


0.4112


401.9466, 0.2909,
0.3438


 0.9349, 0.0773,
0.4872


 0.0000, 0.0000,
0.0000

 72.9770, 0.2741,
0.3554


 72.9770, 0.2741,
0.3554


 70.5565, 0.2654,
0.3643


 75.8786, 0.2840,
0.3471


 68.5806, 0.2583,
0.3736


 79.2777, 0.2949,
0.3394


 67.0216, 0.2529,
0.3833


 83.2010, 0.3064,
0.3324

 65.8452, 0.2495,
0.3932


 87.6704, 0.3183,
0.3261


 65.0110, 0.2481,
0.4032

 89.1457, 0.3183,
0.3202

 64.4699, 0.2486,
0.4130

 89.5375, 0.3145,
0.3142

 64.2818, 0.2493,
0.4175

 89.6402, 0.3135,
0.3127

Harmonies

Analogous

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



72.9770, 0.3077, 0.3840



72.9770, 0.2741, 0.3554



72.9770, 0.2516, 0.3198

Triad

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



72.9770, 0.2741, 0.3554



72.9770, 0.2794, 0.2701



72.9770, 0.3857, 0.3622

Complementary

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



72.9770, 0.2741, 0.3554



44.3985, 0.3748, 0.3046

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.



72.9770, 0.3777, 0.3326



72.9770, 0.2741, 0.3554



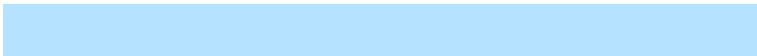
72.9770, 0.3145, 0.2815

Square

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



72.9770, 0.2741, 0.3554



72.9770, 0.2545, 0.2725



72.9770, 0.3510, 0.3038



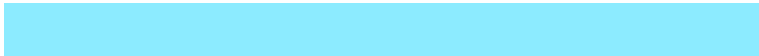
72.9770, 0.3728, 0.3856

Rectangle

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



72.9770, 0.2741, 0.3554



72.9770, 0.2451, 0.2986



72.9770, 0.3510, 0.3038



72.9770, 0.3854, 0.3526

Sweetspot

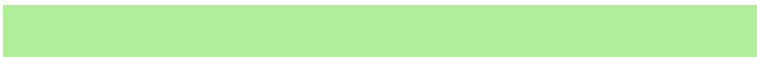
The Sweet Spot groups the original color and five complimentary colors.



72.9799, 0.2741, 0.3554



94.5985, 0.2998, 0.3363



72.7614, 0.3221, 0.4309



20.1169, 0.2982, 0.3373



0.0000, 0.0000, 0.0000



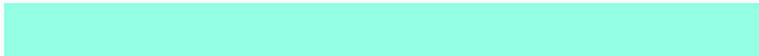
21.4041, 0.3127, 0.3290

Same Dimension

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



72.9799, 0.2741, 0.3554



83.3496, 0.2680, 0.3614



63.3852, 0.2597, 0.3053



17.8541, 0.3016, 0.3353



35.8786, 0.2489, 0.4160



3.0010, 0.2453, 0.4031

Inverse Universe

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



44.3985, 0.3748, 0.3046



45.5412, 0.3927, 0.2998



50.6074, 0.3896, 0.3512



15.8268, 0.3252, 0.3228



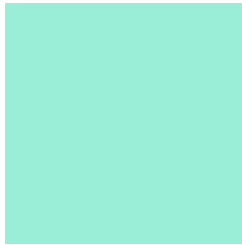
10.3552, 0.5891, 0.3019



0.8773, 0.5520, 0.2814

Previews

White Background



This preview shows how the Yxy color 72.9770, 0.2741, 0.3554 looks on a white background.

Color Contrast Check

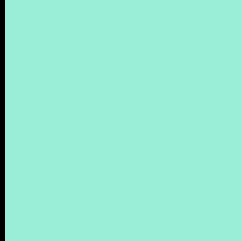
Large Text (above 18pt) WCAG AA × Fail

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 72.9770, 0.2741, 0.3554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

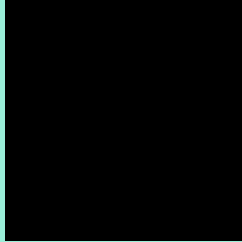
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

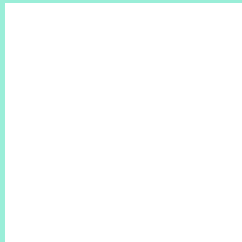
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9770, 0.2741, 0.3554

Background



This preview shows how black text looks on a background with the Yxy color 72.9770, 0.2741, 0.3554.

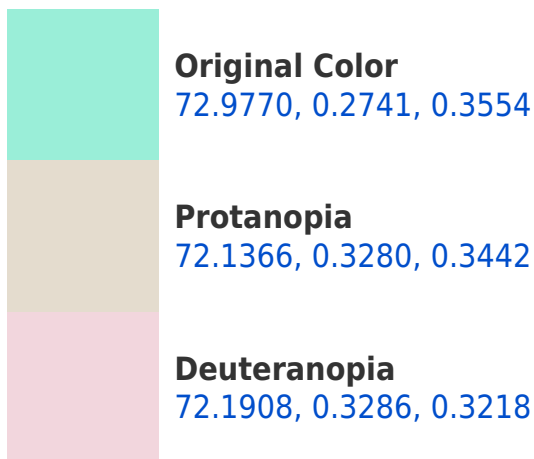


This preview shows how white text looks on a background with the Yxy color 72.9770, 0.2741, 0.3554.

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

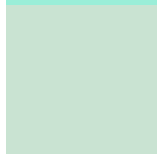
72.9875, 0.2594, 0.3073

Trichromacy



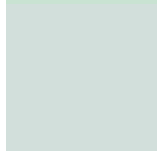
Original Color

72.9770, 0.2741, 0.3554



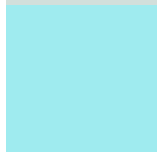
Protanomaly

72.0088, 0.3056, 0.3483



Deuteranomaly

71.5915, 0.3062, 0.3334



Tritanomaly

73.0196, 0.2646, 0.3242

Monochromacy



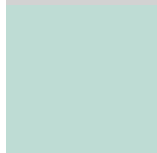
Original Color

72.9770, 0.2741, 0.3554



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.8870, 0.2970, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9770, 0.2741, 0.3554 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(154, 238, 216)` looks like.

```
.text, #text, p{  
    color:rgb(154, 238, 216)  
}
```

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(154, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 238, 216) }
```

Border

The CSS property to change the border of an element to Yxy 72.9770, 0.2741, 0.3554 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(154, 238, 216) }
```

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

```
.border{ border-color:rgb(154, 238, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 238, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 238, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 238, 216);  
box-shadow:4px 4px 4px 4px rgb(154, 238,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9770, 0.2741, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 238, 216) }
```

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

```
.background{ background-color: rgb(154,  
238, 216) }
```

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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