

Converting Colors

$Y_{xy}(75.5500, 0.2747, 0.3369)$

Have a look what the booklet for
Yxy(75.5500, 0.2747, 0.3369)
contains.

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Color

Yxy(75.4646, 0.2749, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	AAEEE7
RGB	170, 238, 231
RGB Percent	67%, 93%, 91%
CMY	0.3337, 0.0666, 0.0942
CMYK	0.29, 0.00, 0.03, 0.07
HSL	174°, 67%, 80%
HSV	174°, 29%, 93%
XYZ	61.5585, 75.4646, 86.9075
YIQ	216.8700, -38.2810, -16.5930

Conversions

Conversions Part 2

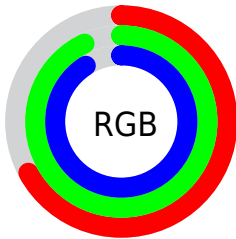
Format	Color
RYB	170, 206, 238
Decimal	11202279
CIELab	89.61, -22.62, -3.44
CIELCh	90, 22.876, 188.638
Yxy	75.4646, 0.2749, 0.3370
Android (android.graphics.Color)	4289392359 (0xFFAAEEE7)
YUV	216.8700, 6.9661, -41.1050
Hunter-Lab	86.8704, -25.5336, 1.4939

Details

The Yxy color **75.4646, 0.2749, 0.3370** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.0693, 0.3694, 0.3213**, and the grayscale version is **69.2540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **40.1959, 0.2664, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **72.9144, 0.2638, 0.3402**, and if you desaturate by 10%, it is **78.5030, 0.2873, 0.3340**.

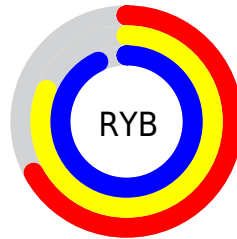
Distribution



Red (67%)

Green (93%)

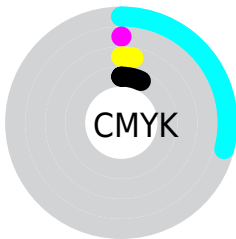
Blue (91%)



Red (67%)

Yellow (81%)

Blue (93%)

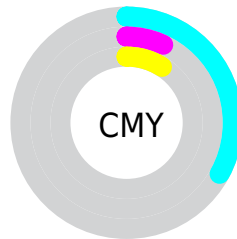


Cyan (29%)

Magenta (0%)

Yellow (3%)

Black (7%)



Cyan (33%)


Magenta (7%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4646, 0.2749, 0.3370 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 75.4646, 0.2749, 0.3370 by changing the saturation by 10% instead.


 75.4646, 0.2749,
0.3370

 75.4646, 0.2749,
0.3370


479.5129, 0.2922,
0.3335

 55.9936, 0.2710,
0.3378


 126.9698, 0.2808,
0.3358

 40.1978, 0.2663,
0.3387


159.7728, 0.2832,
0.3354

 27.6928, 0.2603,
0.3398


197.7886, 0.2852,
0.3349

 18.0942, 0.2525,
0.3411

241.4015, 0.2869,
0.3346

 11.0176, 0.2421,
0.3429

290.9960, 0.2885,
0.3343

 6.0787, 0.2274,
0.3452

346.9565, 0.2898,

 2.8930, 0.2052,

0.3340

409.6673, 0.2911,
0.3337

0.3483

1.0761, 0.1529,
0.3584

0.0000, 0.0000,
0.0000

75.4646, 0.2749,
0.3370

75.4646, 0.2749,
0.3370

72.9144, 0.2638,
0.3402

78.5030, 0.2873,
0.3340

70.8173, 0.2542,
0.3436

82.0444, 0.3007,
0.3312

69.1479, 0.2463,
0.3471

86.1143, 0.3147,
0.3287

67.8747, 0.2404,
0.3507

88.7638, 0.3223,
0.3263

■ 66.9617, 0.2364,
0.3543

■ 88.9117, 0.3207,
0.3239

■ 66.3664, 0.2343,
0.3579

■ 89.0617, 0.3192,
0.3215

■ 66.0269, 0.2339,
0.3614

■ 89.2136, 0.3177,
0.3192

■ 65.9883, 0.2339,
0.3619

■ 89.3676, 0.3161,
0.3168

■ 89.5236, 0.3146,
0.3145

Harmonies

Analogous

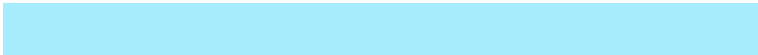
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4646, 0.2973, 0.3611



75.4646, 0.2749, 0.3370



75.4646, 0.2627, 0.3117

Triad

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



75.4646, 0.2749, 0.3370



75.4646, 0.2992, 0.2870



75.4646, 0.3645, 0.3632

Complementary

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



75.4646, 0.2749, 0.3370



50.0693, 0.3694, 0.3213

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.



75.4646, 0.3655, 0.3426



75.4646, 0.2749, 0.3370



75.4646, 0.3269, 0.2998

Square

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



75.4646, 0.2749, 0.3370



75.4646, 0.2762, 0.2842



75.4646, 0.3515, 0.3197



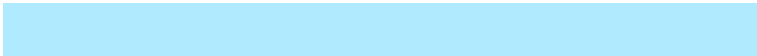
75.4646, 0.3492, 0.3759

Rectangle

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



75.4646, 0.2749, 0.3370



75.4646, 0.2616, 0.2980



75.4646, 0.3515, 0.3197



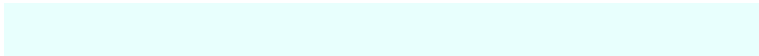
75.4646, 0.3666, 0.3569

Sweetspot

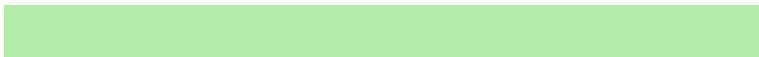
The Sweet Spot groups the original color and five complimentary colors.



75.4677, 0.2749, 0.3370



95.7523, 0.3001, 0.3313



73.5101, 0.3139, 0.4109



20.3582, 0.2981, 0.3317



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.



75.4677, 0.2749, 0.3370



86.5337, 0.2686, 0.3388



61.7542, 0.2680, 0.2981



17.8991, 0.2995, 0.3314



36.8176, 0.2337, 0.3613



3.0709, 0.2324, 0.3566

Inverse Universe

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



50.0693, 0.3694, 0.3213



52.5611, 0.3849, 0.3198



60.5691, 0.3679, 0.3579



15.7854, 0.3277, 0.3266



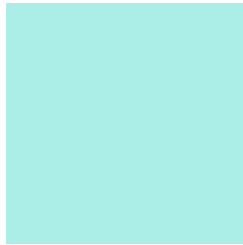
10.1880, 0.6279, 0.3233



0.8564, 0.6026, 0.3093

Previews

White Background



This preview shows how the Yxy color 75.4646, 0.2749, 0.3370 looks on a white background.

Color Contrast Check

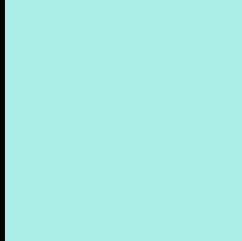
Large Text (above 18pt) WCAG AA × Fail

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 75.4646, 0.2749, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

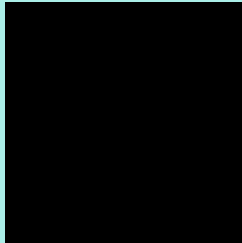
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.4646, 0.2749, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 75.4646, 0.2749, 0.3370.

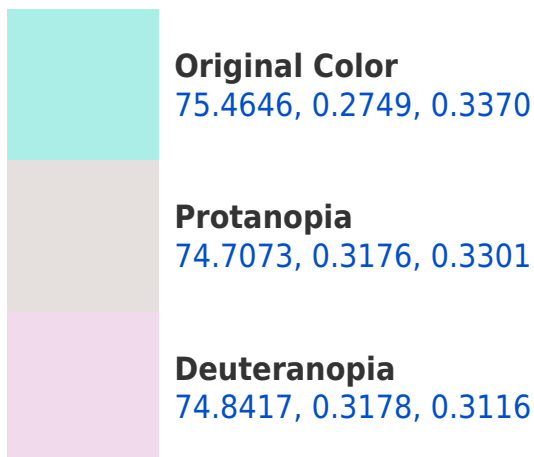


This preview shows how white text looks on a background with the Yxy color 75.4646, 0.2749, 0.3370.

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

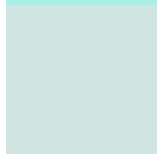
75.6225, 0.2660, 0.3089

Trichromacy



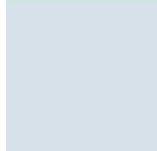
Original Color

75.4646, 0.2749, 0.3370



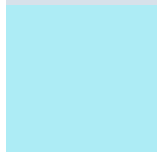
Protanomaly

74.3329, 0.3010, 0.3323



Deuteranomaly

74.2380, 0.3002, 0.3193



Tritanomaly

75.4677, 0.2691, 0.3187

Monochromacy



Original Color

75.4646, 0.2749, 0.3370



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.4037, 0.2975, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4646, 0.2749, 0.3370 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, 238, 231)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 231)  
}
```

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, 238, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 231) }
```

Border

The CSS property to change the border of an element to Yxy 75.4646, 0.2749, 0.3370 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, 238, 231) }
```

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

```
.border{ border-color:rgb(170, 238, 231) }
```

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

Here you see how a box with a 4 pixel rgb(170, 238, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 231);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4646, 0.2749, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 238, 231) }
```

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

```
.background{ background-color: rgb(170,  
238, 231) }
```

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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