

Converting Colors

$Yxy(75.5715, 0.2751, 0.3432)$

Have a look what the booklet for
Yxy(75.5715, 0.2751, 0.3432)
contains.

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Color

Yxy(75.3860, 0.2750, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	A6EFE3
RGB	166, 239, 227
RGB Percent	65%, 94%, 89%
CMY	0.3486, 0.0628, 0.1097
CMYK	0.30, 0.00, 0.05, 0.06
HSL	170°, 69%, 79%
HSV	170°, 30%, 94%
XYZ	60.4759, 75.3860, 84.0506
YIQ	215.8050, -39.6560, -19.2080

Conversions

Conversions Part 2

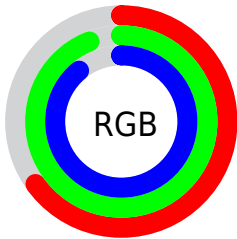
Format	Color
R_{YB}	166, 206, 239
Decimal	10940387
CIE _{Lab}	89.57, -25.01, -1.44
CIE _{LCh}	90, 25.051, 183.303
Yxy	75.3860, 0.2750, 0.3428
Android (android.graphics.Color)	4289130467 (0xFFA6EFE3)
YUV	215.8050, 5.5191, -43.6790
Hunter-Lab	86.8251, -27.6141, 3.3822

Details

The Yxy color **75.3860, 0.2750, 0.3428** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8766, 0.3702, 0.3159**, and the grayscale version is **68.5287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **40.2250, 0.2659, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **72.8255, 0.2647, 0.3481**, and if you desaturate by 10%, it is **78.4375, 0.2865, 0.3379**.

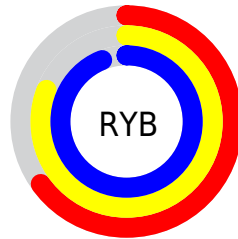
Distribution



Red (65%)

Green (94%)

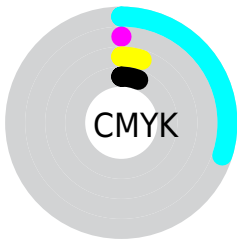
Blue (89%)



Red (65%)

Yellow (81%)

Blue (94%)

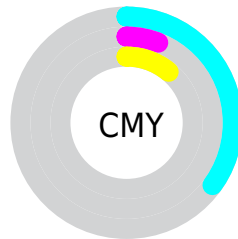


Cyan (30%)

Magenta (0%)

Yellow (5%)

Black (6%)



Cyan (35%)


Magenta (6%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3860, 0.2750, 0.3428 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 75.3860, 0.2750, 0.3428 by changing the saturation by 10% instead.


 75.3860, 0.2750,
0.3428

 75.3860, 0.2750,
0.3428


479.2433, 0.2923,
0.3366

 55.9292, 0.2711,
0.3442


 126.8586, 0.2809,
0.3407

 40.1461, 0.2663,
0.3459


 159.6432, 0.2833,
0.3398

 27.6525, 0.2603,
0.3480


197.6391, 0.2853,
0.3391

 18.0639, 0.2525,
0.3508

241.2308, 0.2870,
0.3385

 10.9959, 0.2420,
0.3544

290.8027, 0.2886,
0.3379

 6.0641, 0.2271,
0.3595


346.7391, 0.2899,

 2.8841, 0.2045,


0.3374

0.3670


409.4245, 0.2912,
0.3370

 1.0715, 0.1441,
0.3892

 0.0000, 0.0000,
0.0000


 75.3860, 0.2750,
0.3428


 75.3860, 0.2750,
0.3428

 72.8255, 0.2647,
0.3481


 78.4375, 0.2865,
0.3379

 70.7203, 0.2559,
0.3536


 81.9954, 0.2990,
0.3333

 69.0441, 0.2489,
0.3594


 86.0858, 0.3121,
0.3292


 67.7642, 0.2438,
0.3652


 89.4369, 0.3210,
0.3254

 66.8434, 0.2406,
0.3712


 89.6761, 0.3186,
0.3216

 66.2370, 0.2394,
0.3771

 89.9204, 0.3162,
0.3178

 65.8819, 0.2396,
0.3826

 90.1698, 0.3138,
0.3141

 90.2032, 0.3134,
0.3136

Harmonies

Analogous

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



75.3860, 0.3008, 0.3682



75.3860, 0.2750, 0.3428



75.3860, 0.2595, 0.3145

Triad

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



75.3860, 0.2750, 0.3428



75.3860, 0.2929, 0.2818



75.3860, 0.3709, 0.3627

Complementary

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



75.3860, 0.2750, 0.3428



48.8766, 0.3702, 0.3159

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.



75.3860, 0.3690, 0.3392



75.3860, 0.2750, 0.3428



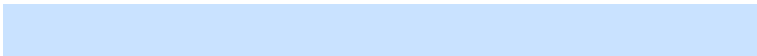
75.3860, 0.3227, 0.2940

Square

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



75.3860, 0.2750, 0.3428



75.3860, 0.2694, 0.2808



75.3860, 0.3510, 0.3146



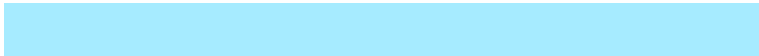
75.3860, 0.3566, 0.3787

Rectangle

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



75.3860, 0.2750, 0.3428



75.3860, 0.2566, 0.2985



75.3860, 0.3510, 0.3146



75.3860, 0.3722, 0.3554

Sweetspot

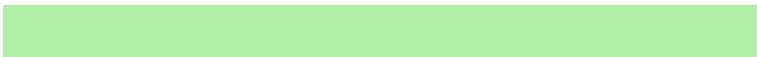
The Sweet Spot groups the original color and five complimentary colors.



75.3891, 0.2750, 0.3428



95.6639, 0.3008, 0.3327



73.9753, 0.3163, 0.4165



20.3363, 0.2990, 0.3333



0.0000, 0.0000, 0.0000



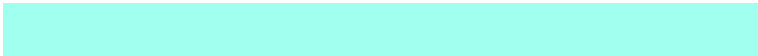
21.4041, 0.3127, 0.3290

Same Dimension

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



75.3891, 0.2750, 0.3428



85.3231, 0.2680, 0.3463



62.7935, 0.2655, 0.3002



17.8818, 0.3003, 0.3329



36.4303, 0.2394, 0.3817



3.0424, 0.2372, 0.3740

Inverse Universe

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



48.8766, 0.3702, 0.3159



49.7676, 0.3884, 0.3129



58.1052, 0.3736, 0.3560



15.8012, 0.3267, 0.3251



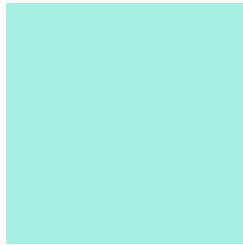
10.2355, 0.6162, 0.3168



0.8638, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 75.3860, 0.2750, 0.3428 looks on a white background.

Color Contrast Check

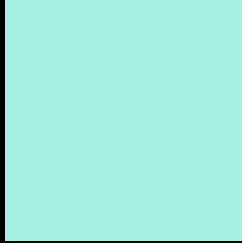
Large Text (above 18pt) WCAG AA × Fail

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 75.3860, 0.2750, 0.3428 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 75.3860, 0.2750, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 75.3860, 0.2750, 0.3428.

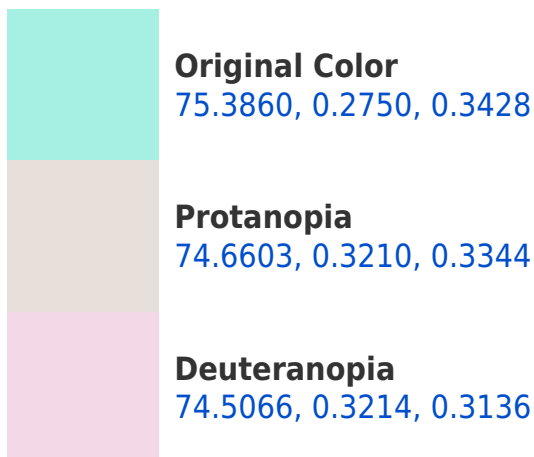


This preview shows how white text looks on a background with the Yxy color 75.3860, 0.2750, 0.3428.

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

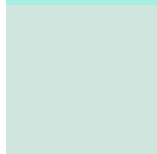
75.3431, 0.2639, 0.3077

Trichromacy



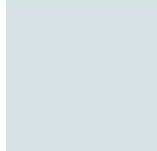
Original Color

75.3860, 0.2750, 0.3428



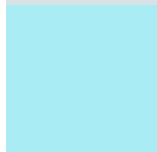
Protanomaly

74.5245, 0.3028, 0.3378



Deuteranomaly

74.0107, 0.3027, 0.3236



Tritanomaly

75.0686, 0.2680, 0.3198

Monochromacy



Original Color

75.3860, 0.2750, 0.3428



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

70.4844, 0.2974, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3860, 0.2750, 0.3428 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(166, 239, 227)` looks like.

```
.text, #text, p{  
    color:rgb(166, 239, 227)  
}
```

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(166, 239, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 239, 227) }
```

Border

The CSS property to change the border of an element to Yxy 75.3860, 0.2750, 0.3428 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(166, 239, 227) }
```

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

```
.border{ border-color:rgb(166, 239, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 239, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 239, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 239, 227);  
box-shadow:4px 4px 4px 4px rgb(166, 239,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3860, 0.2750, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 239, 227) }
```

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

```
.background{ background-color: rgb(166,  
239, 227) }
```

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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