

Converting Colors

$Yxy(78.0459, 0.2743, 0.3398)$

Have a look what the booklet for
Yxy(78.0459, 0.2743, 0.3398)
contains.

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Color

Yxy(77.9335, 0.2743, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	AAF2E9
RGB	170, 242, 233
RGB Percent	67%, 95%, 91%
CMY	0.3337, 0.0509, 0.0863
CMYK	0.30, 0.00, 0.04, 0.05
HSL	172°, 74%, 81%
HSV	172°, 30%, 95%
XYZ	63.0223, 77.9335, 88.8010
YIQ	219.4460, -40.0230, -18.0630

Conversions

Conversions Part 2

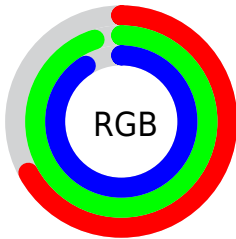
Format	Color
R_{YB}	170, 208, 242
Decimal	11203305
CIE _{Lab}	90.75, -24.13, -2.81
CIE _{LCh}	91, 24.288, 186.641
Yxy	77.9335, 0.2743, 0.3392
Android (android.graphics.Color)	4289393385 (0xFFAAF2E9)
YUV	219.4460, 6.6821, -43.3641
Hunter-Lab	88.2800, -27.0603, 2.1560

Details

The Yxy color **77.9335, 0.2743, 0.3392** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.8523, 0.3711, 0.3192**, and the grayscale version is **71.1274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **41.9370, 0.2659, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **75.3129, 0.2635, 0.3432**, and if you desaturate by 10%, it is **81.0598, 0.2863, 0.3355**.

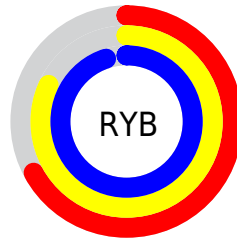
Distribution



Red (67%)

Green (95%)

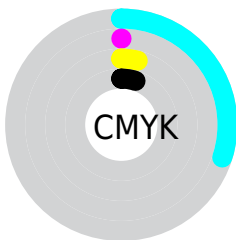
Blue (91%)



Red (67%)

Yellow (82%)

Blue (95%)

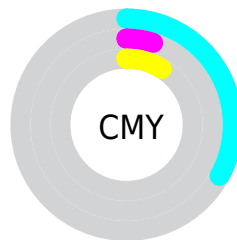


Cyan (30%)

Magenta (0%)

Yellow (4%)

Black (5%)



Cyan (33%)


Magenta (5%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9335, 0.2743, 0.3392 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 77.9335, 0.2743, 0.3392 by changing the saturation by 10% instead.


 77.9335, 0.2743,
0.3392

 77.9335, 0.2743,
0.3392

487.9410, 0.2917,
0.3347

 58.0194, 0.2704,
0.3402


 130.4564, 0.2803,
0.3377

 41.8242, 0.2656,
0.3414

163.8339, 0.2826,
0.3371

 28.9637, 0.2596,
0.3428


202.4680, 0.2847,
0.3366

 19.0533, 0.2519,
0.3447

246.7431, 0.2864,
0.3361

 11.7088, 0.2416,
0.3471

297.0435, 0.2880,
0.3357

 6.5457, 0.2271,
0.3503


353.7537, 0.2894,


 3.1797, 0.2054,


0.3353


0.3547


417.2580, 0.2906,
0.3350


 1.2262, 0.1612,
0.3647


 0.0830, 0.0000,
0.2244


 77.9335, 0.2743,
0.3392


 77.9335, 0.2743,
0.3392


 75.3129, 0.2635,
0.3432


 81.0598, 0.2863,
0.3355


 73.1612, 0.2543,
0.3473

 84.7075, 0.2993,
0.3321

 71.4517, 0.2469,
0.3516

 88.9033, 0.3130,
0.3289

 70.1509, 0.2413,
0.3560

 91.3771, 0.3193,
0.3260

■ 69.2208, 0.2377,
0.3605

■ 91.5640, 0.3175,
0.3231

■ 68.6159, 0.2360,
0.3649

■ 91.7539, 0.3156,
0.3202

■ 68.2619, 0.2359,
0.3692

■ 91.9469, 0.3138,
0.3173

■ 68.2555, 0.2359,
0.3693

■ 91.9973, 0.3133,
0.3166

Harmonies

Analogous

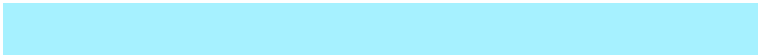
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9335, 0.2983, 0.3642



77.9335, 0.2743, 0.3392



77.9335, 0.2607, 0.3123

Triad

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



77.9335, 0.2743, 0.3392



77.9335, 0.2967, 0.2844



77.9335, 0.3677, 0.3636

Complementary

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



77.9335, 0.2743, 0.3392



50.8523, 0.3711, 0.3192

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.



77.9335, 0.3677, 0.3416



77.9335, 0.2743, 0.3392



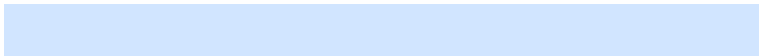
77.9335, 0.3256, 0.2972

Square

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



77.9335, 0.2743, 0.3392



77.9335, 0.2732, 0.2822



77.9335, 0.3520, 0.3177



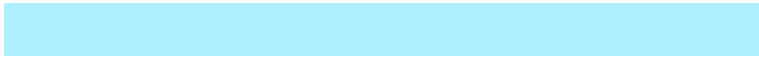
77.9335, 0.3525, 0.3777

Rectangle

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



77.9335, 0.2743, 0.3392



77.9335, 0.2589, 0.2976



77.9335, 0.3520, 0.3177



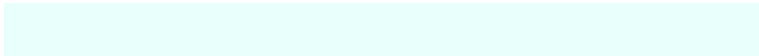
77.9335, 0.3695, 0.3568

Sweetspot

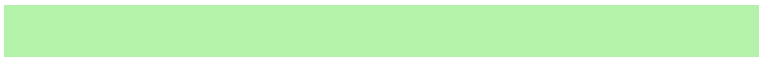
The Sweet Spot groups the original color and five complimentary colors.



77.9366, 0.2743, 0.3392



95.7203, 0.3004, 0.3318



76.0636, 0.3147, 0.4147



20.3502, 0.2984, 0.3323



0.0000, 0.0000, 0.0000



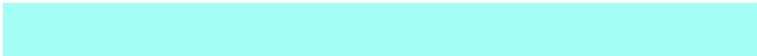
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9366, 0.2743, 0.3392



85.8288, 0.2673, 0.3417



63.8476, 0.2663, 0.2980



17.8929, 0.2998, 0.3320



36.6740, 0.2357, 0.3686



3.0604, 0.2341, 0.3628

Inverse Universe

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



50.8523, 0.3711, 0.3192



50.6089, 0.3890, 0.3171



61.4208, 0.3712, 0.3579



15.7911, 0.3274, 0.3261



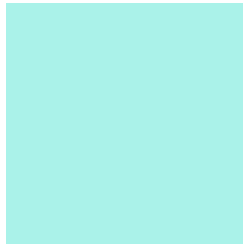
10.2029, 0.6242, 0.3212



0.8590, 0.5954, 0.3053

Previews

White Background



This preview shows how the Yxy color 77.9335, 0.2743, 0.3392 looks on a white background.

Color Contrast Check

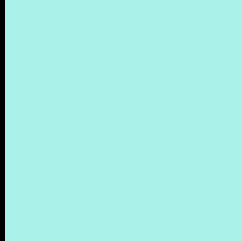
Large Text (above 18pt) WCAG AA × Fail

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 77.9335, 0.2743, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

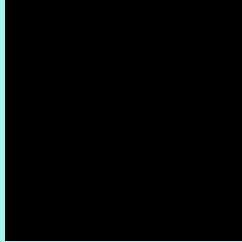
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9335, 0.2743, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 77.9335, 0.2743, 0.3392.

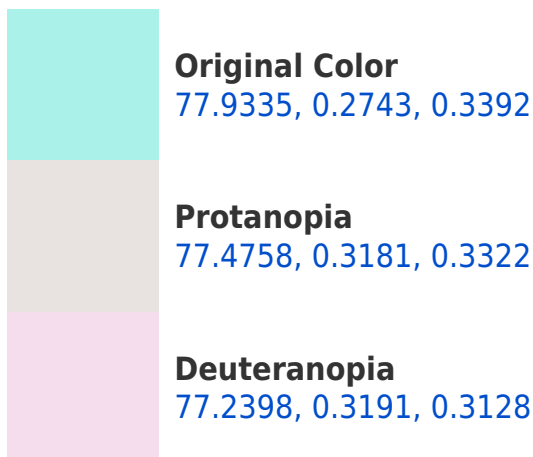


This preview shows how white text looks on a background with the Yxy color 77.9335, 0.2743, 0.3392.

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

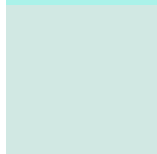
77.6121, 0.2684, 0.3092

Trichromacy



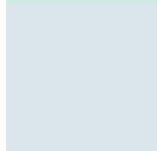
Original Color

77.9335, 0.2743, 0.3392



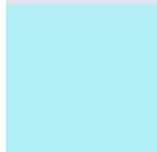
Protanomaly

76.8146, 0.3005, 0.3344



Deuteranomaly

77.0002, 0.3009, 0.3215



Tritanomaly

77.7955, 0.2706, 0.3200

Monochromacy



Original Color

77.9335, 0.2743, 0.3392



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

72.7375, 0.2970, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9335, 0.2743, 0.3392 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, 242, 233)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 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(170, 242, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 233) }
```

Border

The CSS property to change the border of an element to Yxy 77.9335, 0.2743, 0.3392 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, 242, 233) }
```

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

```
.border{ border-color:rgb(170, 242, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 242, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 242, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 242, 233);  
box-shadow:4px 4px 4px 4px rgb(170, 242,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9335, 0.2743, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 233) }
```

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

```
.background{ background-color: rgb(170,  
242, 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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