

Converting Colors

$Yxy(75.9051, 0.2722, 0.3317)$

Have a look what the booklet for
Yxy(75.9051, 0.2722, 0.3317)
contains.

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Color

Yxy(75.7512, 0.2723, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	AAEEEC
RGB	170, 238, 236
RGB Percent	67%, 93%, 93%
CMY	0.3336, 0.0666, 0.0746
CMYK	0.29, 0.00, 0.01, 0.07
HSL	178°, 67%, 80%
HSV	178°, 29%, 93%
XYZ	62.2797, 75.7512, 90.6864
YIQ	217.4400, -39.8860, -15.0380

Conversions

Conversions Part 2

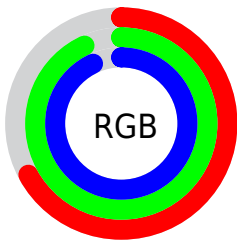
Format	Color
RYB	170, 205, 238
Decimal	11202284
CIELab	89.74, -21.51, -5.86
CIELCh	90, 22.292, 195.231
Yxy	75.7512, 0.2723, 0.3312
Android (android.graphics.Color)	4289392364 (0xFFAAEEEC)
YUV	217.4400, 9.1501, -41.6049
Hunter-Lab	87.0352, -24.5823, -0.8527

Details

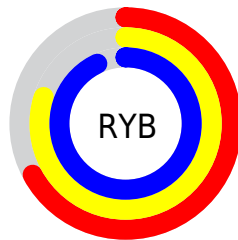
The Yxy color **75.7512, 0.2723, 0.3312** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **49.8820, 0.3740, 0.3269**, and the grayscale version is **69.6542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **40.3960, 0.2632, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **73.2975, 0.2605, 0.3321**, and if you desaturate by 10%, it is **78.6913, 0.2855, 0.3304**.

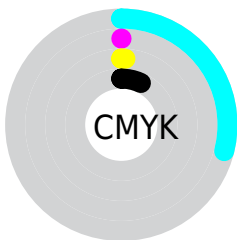
Distribution



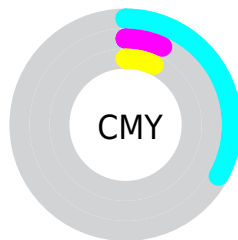
- Red (67%)
- Green (93%)
- Blue (93%)



- Red (67%)
- Yellow (80%)
- Blue (93%)



- Cyan (29%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)





- Cyan (33%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7512, 0.2723, 0.3312 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 75.7512, 0.2723, 0.3312 by changing the saturation by 10% instead.

 75.7512, 0.2723,
0.3312

 75.7512, 0.2723,
0.3312


480.4956, 0.2907,
0.3305

 56.2285, 0.2682,
0.3313


 127.3752, 0.2786,
0.3310

 40.3862, 0.2631,
0.3314

160.2452, 0.2811,
0.3309

 27.8398, 0.2568,
0.3315


198.3332, 0.2832,
0.3308

 18.2049, 0.2486,
0.3315

242.0235, 0.2851,
0.3307

 11.0972, 0.2377,
0.3314

291.7005, 0.2867,
0.3307

 6.1322, 0.2224,
0.3309

347.7485, 0.2882,

 2.9257, 0.1995,

0.3306

410.5521, 0.2895,
0.3305

0.3295

1.0930, 0.1507,
0.3293

0.0000, 0.0000,
0.0000

75.7512, 0.2723,
0.3312

75.7512, 0.2723,
0.3312

73.2975, 0.2605,
0.3321

78.6913, 0.2855,
0.3304

71.2951, 0.2503,
0.3330

82.1326, 0.2998,
0.3296

69.7188, 0.2419,
0.3340

86.1006, 0.3149,
0.3289

68.5368, 0.2355,
0.3349

88.6419, 0.3236,
0.3282

■ 67.7133, 0.2310,
0.3359

■ 88.6839, 0.3231,
0.3276

■ 67.2058, 0.2284,
0.3369

■ 88.7261, 0.3227,
0.3269

■ 66.9524, 0.2273,
0.3379

■ 88.7684, 0.3222,
0.3262

■ 66.9253, 0.2272,
0.3380

■ 88.8109, 0.3218,
0.3255

■ 88.8535, 0.3213,
0.3248

Harmonies

Analogous

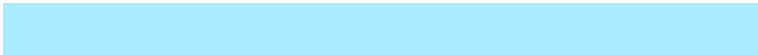
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7512, 0.2923, 0.3556



75.7512, 0.2723, 0.3312



75.7512, 0.2630, 0.3074

Triad

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



75.7512, 0.2723, 0.3312



75.7512, 0.3054, 0.2900



75.7512, 0.3610, 0.3659

Complementary

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



75.7512, 0.2723, 0.3312



49.8820, 0.3740, 0.3269

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.



75.7512, 0.3652, 0.3471



75.7512, 0.2723, 0.3312



75.7512, 0.3323, 0.3044

Square

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



75.7512, 0.2723, 0.3312



75.7512, 0.2814, 0.2850



75.7512, 0.3545, 0.3248



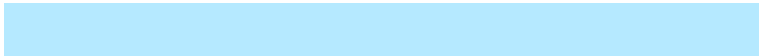
75.7512, 0.3435, 0.3757

Rectangle

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



75.7512, 0.2723, 0.3312



75.7512, 0.2638, 0.2953



75.7512, 0.3545, 0.3248



75.7512, 0.3640, 0.3604

Sweetspot

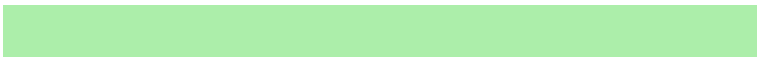
The Sweet Spot groups the original color and five complimentary colors.



75.7543, 0.2723, 0.3312



95.8602, 0.2992, 0.3296



72.8535, 0.3103, 0.4118



20.3850, 0.2970, 0.3297



0.0000, 0.0000, 0.0000



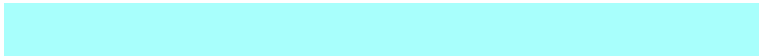
21.4041, 0.3127, 0.3290

Same Dimension

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



75.7543, 0.2723, 0.3312



86.9324, 0.2656, 0.3317



58.9737, 0.2673, 0.2912



17.9204, 0.2985, 0.3297



37.3345, 0.2272, 0.3378



3.1084, 0.2268, 0.3366

Inverse Universe

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



49.8820, 0.3740, 0.3269



52.3120, 0.3910, 0.3265



63.1837, 0.3662, 0.3640



15.7665, 0.3289, 0.3283



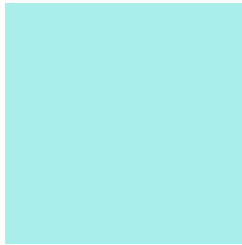
10.1530, 0.6369, 0.3282



0.8473, 0.6286, 0.3237

Previews

White Background



This preview shows how the Yxy color 75.7512, 0.2723, 0.3312 looks on a white background.

Color Contrast Check

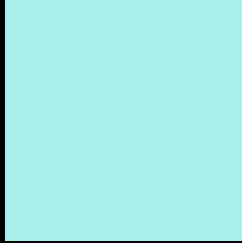
Large Text (above 18pt) WCAG AA × Fail

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 75.7512, 0.2723, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

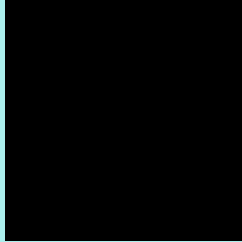
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7512, 0.2723, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 75.7512, 0.2723, 0.3312.

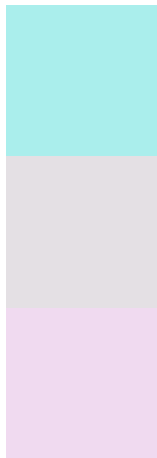


This preview shows how white text looks on a background with the Yxy color 75.7512, 0.2723, 0.3312.

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

75.7512, 0.2723, 0.3312

Protanopia

75.4067, 0.3129, 0.3248

Deuteranopia

74.9593, 0.3138, 0.3065



Tritanopia

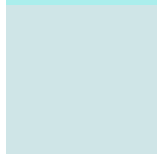
75.5711, 0.2649, 0.3078

Trichromacy



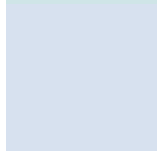
Original Color

75.7512, 0.2723, 0.3312



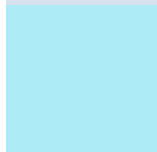
Protanomaly

75.0735, 0.2967, 0.3268



Deuteranomaly

74.5295, 0.2971, 0.3140



Tritanomaly

75.5905, 0.2681, 0.3165

Monochromacy



Original Color

75.7512, 0.2723, 0.3312



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.5116, 0.2963, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7512, 0.2723, 0.3312 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 236) }
```

Border

The CSS property to change the border of an element to Yxy 75.7512, 0.2723, 0.3312 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, 236) }
```

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

```
.border{ border-color:rgb(170, 238, 236) }
```

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, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 236);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7512, 0.2723, 0.3312 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, 236) }
```

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

```
.background{ background-color: rgb(170,  
238, 236) }
```

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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