

Converting Colors

$Y_{xy}(75.1274, 0.2713, 0.3276)$

Have a look what the booklet for
Yxy(75.1274, 0.2713, 0.3276)
contains.

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Color

Yxy(75.2875, 0.2712, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	AAEDEE
RGB	170, 237, 238
RGB Percent	67%, 93%, 93%
CMY	0.3331, 0.0706, 0.0666
CMYK	0.29, 0.00, 0.00, 0.07
HSL	181°, 67%, 80%
HSV	181°, 29%, 93%
XYZ	62.3069, 75.2875, 92.1508
YIQ	217.0810, -40.2530, -13.8930

Conversions

Conversions Part 2

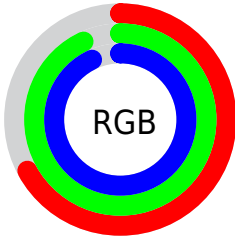
Format	Color
R _{YB}	170, 204, 238
Decimal	11202030
CIE Lab	89.53, -20.51, -7.24
CIE LCh	90, 21.753, 199.431
Yxy	75.2875, 0.2712, 0.3277
Android (android.graphics.Color)	4289392110 (0xFFAAEDEE)
YUV	217.0810, 10.3131, -41.2900
Hunter-Lab	86.7684, -23.6668, -2.2300

Details

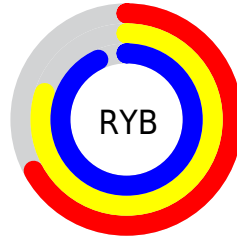
The Yxy color **75.2875, 0.2712, 0.3277** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.2480, 0.3754, 0.3303**, and the grayscale version is **69.4065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **40.0700, 0.2617, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **72.6637, 0.2590, 0.3272**, and if you desaturate by 10%, it is **78.3980, 0.2848, 0.3282**.

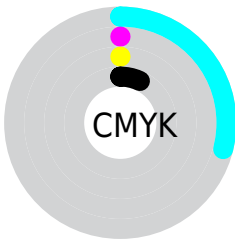
Distribution



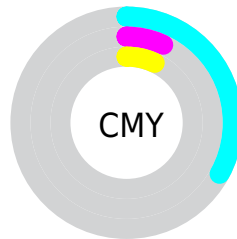
- Red (67%)
- Green (93%)
- Blue (93%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2875, 0.2712, 0.3277 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 75.2875, 0.2712, 0.3277 by changing the saturation by 10% instead.


 75.2875, 0.2712,
0.3277

 75.2875, 0.2712,
0.3277


478.9052, 0.2901,
0.3286

 55.8485, 0.2670,
0.3274


 126.7192, 0.2777,
0.3281

 40.0814, 0.2618,
0.3271


159.4807, 0.2802,
0.3282

 27.6020, 0.2553,
0.3265

197.4518, 0.2824,
0.3283

 18.0259, 0.2469,
0.3258

241.0169, 0.2843,
0.3284

 10.9686, 0.2358,
0.3245

290.5604, 0.2860,
0.3285

 6.0457, 0.2201,
0.3225


346.4667, 0.2875,

 2.8729, 0.1967,

0.3285

0.3185

409.1201, 0.2889,
0.3286

 1.0657, 0.1476,
0.3135

 0.0000, 0.0000,
0.0000


 75.2875, 0.2712,
0.3277


 75.2875, 0.2712,
0.3277

 72.6637, 0.2590,
0.3272


 78.3980, 0.2848,
0.3282

 70.4917, 0.2484,
0.3267


 82.0102, 0.2995,
0.3286

 68.7461, 0.2397,
0.3262

 86.1494, 0.3150,
0.3291

 67.3953, 0.2329,
0.3256


 88.8354, 0.3240,
0.3294


 66.4035, 0.2280,
0.3251


 89.0461, 0.3240,
0.3298

 65.7282, 0.2250,
0.3246


 89.2572, 0.3240,
0.3301

 65.3079, 0.2235,
0.3241

 89.4688, 0.3239,
0.3305

 65.2558, 0.2234,
0.3241

 89.6807, 0.3239,
0.3308

 89.8931, 0.3239,
0.3312

Harmonies

Analogous

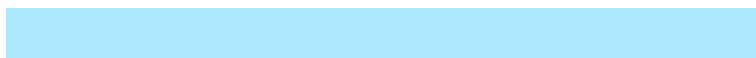
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2875, 0.2895, 0.3519



75.2875, 0.2712, 0.3277



75.2875, 0.2638, 0.3051

Triad

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



75.2875, 0.2712, 0.3277



75.2875, 0.3092, 0.2923



75.2875, 0.3582, 0.3671

Complementary

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



75.2875, 0.2712, 0.3277



50.2480, 0.3754, 0.3303

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.



75.2875, 0.3643, 0.3496



75.2875, 0.2712, 0.3277



75.2875, 0.3354, 0.3074

Square

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



75.2875, 0.2712, 0.3277



75.2875, 0.2850, 0.2860



75.2875, 0.3558, 0.3280



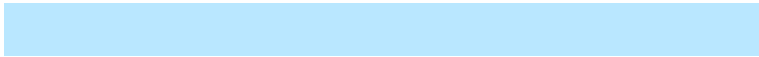
75.2875, 0.3397, 0.3750

Rectangle

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



75.2875, 0.2712, 0.3277



75.2875, 0.2657, 0.2941



75.2875, 0.3558, 0.3280



75.2875, 0.3618, 0.3621

Sweetspot

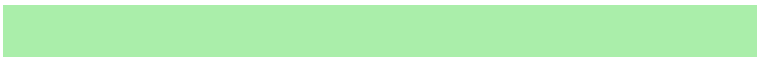
The Sweet Spot groups the original color and five complimentary colors.



75.2905, 0.2712, 0.3277



95.6825, 0.2988, 0.3286



72.6190, 0.3088, 0.4120



20.3408, 0.2966, 0.3286



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.



75.2905, 0.2712, 0.3277



86.2626, 0.2642, 0.3274



57.9344, 0.2671, 0.2885



17.8854, 0.2981, 0.3286



36.4180, 0.2234, 0.3241



3.0427, 0.2236, 0.3248

Inverse Universe

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



53.0693, 0.3169, 0.2589



56.5119, 0.3177, 0.2455



64.2919, 0.3654, 0.3663



16.0270, 0.3140, 0.3061



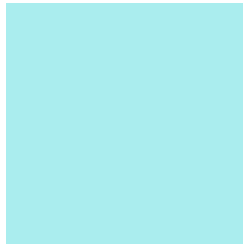
13.4698, 0.3247, 0.1563



1.1219, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 75.2875, 0.2712, 0.3277 looks on a white background.

Color Contrast Check

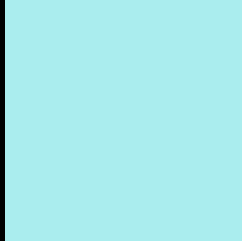
Large Text (above 18pt) WCAG AA × Fail

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 75.2875, 0.2712, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

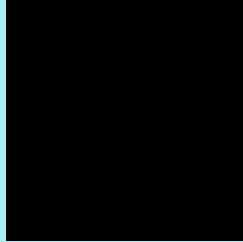
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2875, 0.2712, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 75.2875, 0.2712, 0.3277.

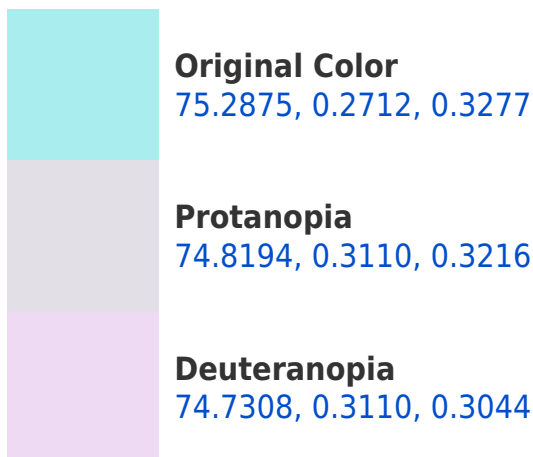


This preview shows how white text looks on a background with the Yxy color 75.2875, 0.2712, 0.3277.

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

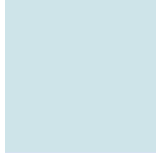
75.5072, 0.2654, 0.3088

Trichromacy



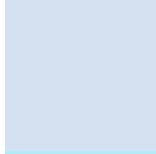
Original Color

75.2875, 0.2712, 0.3277



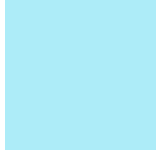
Protanomaly

74.4918, 0.2949, 0.3235



Deuteranomaly

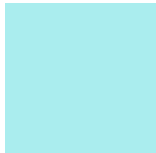
74.3474, 0.2946, 0.3118



Tritanomaly

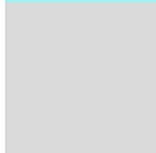
75.6525, 0.2675, 0.3154

Monochromacy



Original Color

75.2875, 0.2712, 0.3277



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.0269, 0.2957, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2875, 0.2712, 0.3277 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, 237, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 237, 238)  
}
```

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, 237, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 237, 238) }
```

Border

The CSS property to change the border of an element to Yxy 75.2875, 0.2712, 0.3277 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, 237, 238) }
```

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

```
.border{ border-color:rgb(170, 237, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 237, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 237, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 237, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 237,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2875, 0.2712, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 237, 238) }
```

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

```
.background{ background-color: rgb(170,  
237, 238) }
```

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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