

Converting Colors

$Yxy(71.9417, 0.2838, 0.3442)$

Have a look what the booklet for
Yxy(71.9417, 0.2838, 0.3442)
contains.

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Color

Yxy(71.9417, 0.2838, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	AFE8DB
RGB	175, 232, 219
RGB Percent	69%, 91%, 86%
CMY	0.3137, 0.0902, 0.1413
CMYK	0.25, 0.00, 0.06, 0.09
HSL	166°, 55%, 80%
HSV	166°, 25%, 91%
XYZ	59.3174, 71.9417, 77.7522
YIQ	213.4750, -29.7990, -16.1270

Conversions

Conversions Part 2

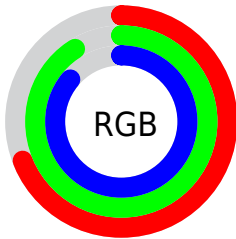
Format	Color
RYB	175, 207, 232
Decimal	11528411
CIELab	87.94, -20.73, 0.44
CIElCh	88, 20.739, 178.775
Yxy	71.9417, 0.2838, 0.3442
Android (android.graphics.Color)	4289718491 (0xFFAFE8DB)
YUV	213.4750, 2.7238, -33.7426
Hunter-Lab	84.8185, -23.5991, 5.0224

Details

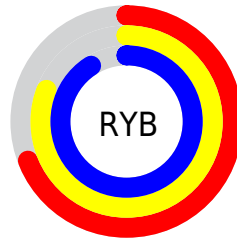
The Yxy color **71.9417, 0.2838, 0.3442** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.4492, 0.3526, 0.3144**, and the grayscale version is **66.8704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **37.7960, 0.2769, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **69.2116, 0.2734, 0.3514**, and if you desaturate by 10%, it is **75.1478, 0.2951, 0.3376**.

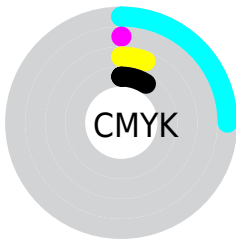
Distribution



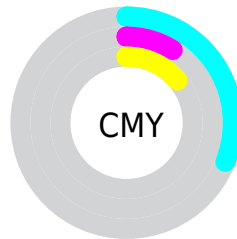
- Red (69%)
- Green (91%)
- Blue (86%)



- Red (69%)
- Yellow (81%)
- Blue (91%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9417, 0.2838, 0.3442 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 71.9417, 0.2838, 0.3442 by changing the saturation by 10% instead.

 71.9417, 0.2838,
0.3442

 71.9417, 0.2838,
0.3442


467.3387, 0.2972,
0.3372

 53.1111, 0.2807,
0.3458

 121.9736, 0.2885,
0.3418

 37.8914, 0.2769,
0.3478


153.9437, 0.2903,
0.3408

 25.8984, 0.2721,
0.3504


191.0624, 0.2918,
0.3400

 16.7477, 0.2659,
0.3537

233.7141, 0.2932,
0.3393

 10.0548, 0.2573,
0.3582

282.2832, 0.2944,
0.3386

 5.4353, 0.2449,
0.3648

337.1540, 0.2954,

 2.5048, 0.2255,

0.3381

398.7110, 0.2964,
0.3376

0.3752

0.8791, 0.1543,
0.4118

0.0000, 0.0000,
0.0000

71.9417, 0.2838,
0.3442

71.9417, 0.2838,
0.3442

69.2116, 0.2734,
0.3514

75.1478, 0.2951,
0.3376

66.9251, 0.2643,
0.3590

78.8430, 0.3071,
0.3316


65.0592, 0.2568,
0.3670


83.0508, 0.3195,
0.3261

63.5857, 0.2510,
0.3754


85.2814, 0.3232,
0.3210


 62.4725, 0.2472,
0.3839


 85.6019, 0.3198,
0.3159

 61.6824, 0.2453,
0.3924

 85.9317, 0.3164,
0.3108

 61.1702, 0.2454,
0.4009

 86.1983, 0.3138,
0.3068

 60.9699, 0.2460,
0.4054

Harmonies

Analogous

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



71.9417, 0.3066, 0.3641



71.9417, 0.2838, 0.3442



71.9417, 0.2690, 0.3205

Triad

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



71.9417, 0.2838, 0.3442



71.9417, 0.2926, 0.2882



71.9417, 0.3623, 0.3550

Complementary

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



71.9417, 0.2838, 0.3442



51.4492, 0.3526, 0.3144

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.



71.9417, 0.3584, 0.3347



71.9417, 0.2838, 0.3442



71.9417, 0.3174, 0.2972

Square

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



71.9417, 0.2838, 0.3442



71.9417, 0.2739, 0.2890



71.9417, 0.3417, 0.3139



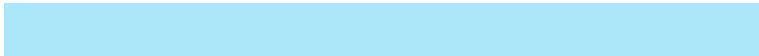
71.9417, 0.3523, 0.3695

Rectangle

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



71.9417, 0.2838, 0.3442



71.9417, 0.2653, 0.3063



71.9417, 0.3417, 0.3139



71.9417, 0.3626, 0.3486

Sweetspot

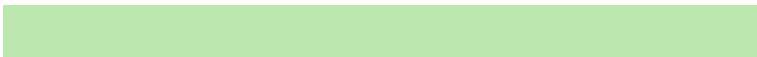
The Sweet Spot groups the original color and five complimentary colors.



71.9447, 0.2838, 0.3442



96.5101, 0.3041, 0.3330



71.5429, 0.3184, 0.3968



20.5959, 0.3034, 0.3334



0.0000, 0.0000, 0.0000



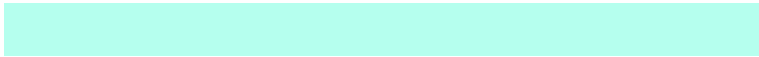
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9447, 0.2838, 0.3442



87.5276, 0.2789, 0.3474



64.4662, 0.2751, 0.3110



16.2770, 0.3012, 0.3344



33.8653, 0.2456, 0.4040



2.5163, 0.2421, 0.3917

Inverse Universe

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



51.4492, 0.3526, 0.3144



58.4039, 0.3625, 0.3115



57.1664, 0.3602, 0.3463



14.4217, 0.3257, 0.3236



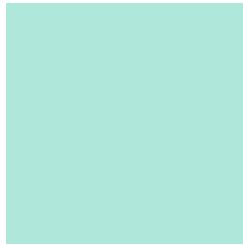
9.6832, 0.5989, 0.3073



0.7295, 0.5580, 0.2848

Previews

White Background



This preview shows how the Yxy color 71.9417, 0.2838, 0.3442 looks on a white background.

Color Contrast Check

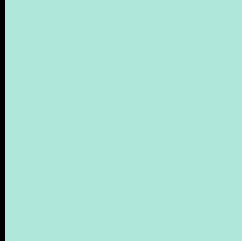
Large Text (above 18pt) WCAG AA × Fail

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 71.9417, 0.2838, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

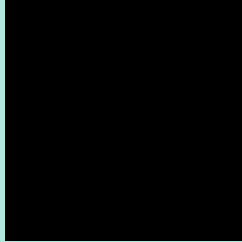
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

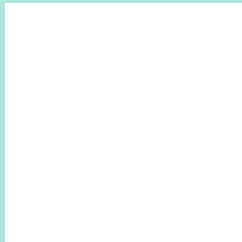
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.9417, 0.2838, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 71.9417, 0.2838, 0.3442.

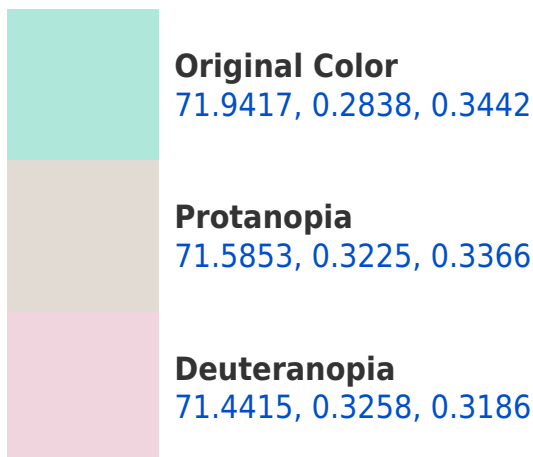


This preview shows how white text looks on a background with the Yxy color 71.9417, 0.2838, 0.3442.

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

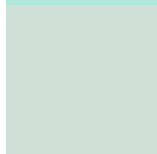
71.9644, 0.2721, 0.3087

Trichromacy



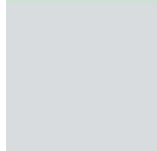
Original Color

71.9417, 0.2838, 0.3442



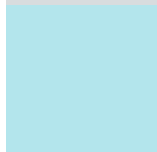
Protanomaly

71.4830, 0.3067, 0.3391



Deuteranomaly

71.0593, 0.3086, 0.3268



Tritanomaly

71.6785, 0.2765, 0.3209

Monochromacy



Original Color

71.9417, 0.2838, 0.3442



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.2348, 0.3012, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9417, 0.2838, 0.3442 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(175, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(175, 232, 219)  
}
```

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(175, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 232, 219) }
```

Border

The CSS property to change the border of an element to Yxy 71.9417, 0.2838, 0.3442 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(175, 232, 219) }
```

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

```
.border{ border-color:rgb(175, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 232, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 232, 219); box-shadow:4px 4px 4px 4px rgb(175, 232, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9417, 0.2838, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 232, 219) }
```

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

```
.background{ background-color: rgb(175,  
232, 219) }
```

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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