

Converting Colors

$Yxy(75.7084, 0.2823, 0.3262)$

Have a look what the booklet for
Yxy(75.7084, 0.2823, 0.3262)
contains.

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Color

Yxy(75.7206, 0.2828, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	BDEAEC
RGB	189, 234, 236
RGB Percent	74%, 92%, 93%
CMY	0.2589, 0.0823, 0.0746
CMYK	0.20, 0.01, 0.00, 0.07
HSL	183°, 55%, 83%
HSV	183°, 20%, 93%
XYZ	65.5457, 75.7206, 90.5078
YIQ	220.7730, -27.4620, -8.9180

Conversions

Conversions Part 2

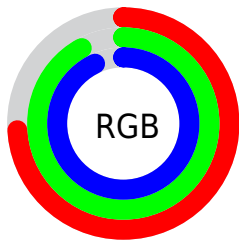
Format	Color
RYB	189, 212, 236
Decimal	12446444
CIELab	89.73, -13.99, -5.76
CIELCh	90, 15.124, 202.375
Yxy	75.7206, 0.2828, 0.3267
Android (android.graphics.Color)	4290636524 (0xFFBDEAEC)
YUV	220.7730, 7.5069, -27.8649
Hunter-Lab	87.0176, -17.8262, -0.7558

Details

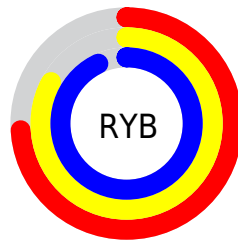
The Yxy color **75.7206, 0.2828, 0.3267** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.7533, 0.3518, 0.3313**, and the grayscale version is **72.0998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **40.2870, 0.2763, 0.3260** is the 20% darker color. If you saturate the color by 10%, you get **72.3830, 0.2692, 0.3254**, and if you desaturate by 10%, it is **79.5586, 0.2974, 0.3279**.

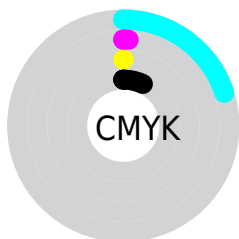
Distribution



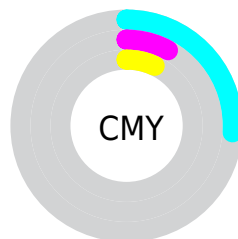
- Red (74%)
- Green (92%)
- Blue (93%)



- Red (74%)
- Yellow (83%)
- Blue (93%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)





- Cyan (26%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7206, 0.2828, 0.3267 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 75.7206, 0.2828, 0.3267 by changing the saturation by 10% instead.


 75.7206, 0.2828,
0.3267

 75.7206, 0.2828,
0.3267


480.3907, 0.2964,
0.3279

 56.2034, 0.2797,
0.3264


 127.3319, 0.2875,
0.3272

 40.3661, 0.2760,
0.3260


160.1948, 0.2893,
0.3273

 27.8241, 0.2712,
0.3254


198.2751, 0.2909,
0.3275

 18.1931, 0.2651,
0.3247

241.9571, 0.2923,
0.3276

 11.0887, 0.2569,
0.3236

291.6253, 0.2935,
0.3277

 6.1265, 0.2453,
0.3218

347.6640, 0.2946,

 2.9222, 0.2277,

0.3278

0.3187

410.4577, 0.2956,
0.3279

■ 1.0912, 0.1957,
0.3129

■ 0.0000, 0.0000,
0.0000

■ 75.7206, 0.2828,
0.3267

■ 75.7206, 0.2828,
0.3267

■ 72.3830, 0.2692,
0.3254

■ 79.5586, 0.2974,
0.3279

■ 69.5128, 0.2570,
0.3241

■ 83.9097, 0.3128,
0.3290

■ 67.0873, 0.2464,
0.3227


■ 87.8786, 0.3254,
0.3300


■ 65.0784, 0.2376,
0.3213


■ 88.4558, 0.3254,
0.3310

 63.4547, 0.2307,
0.3198


 89.0363, 0.3253,
0.3320

 62.1804, 0.2257,
0.3184

 89.6199, 0.3252,
0.3329


 61.2128, 0.2226,
0.3170

 90.2067, 0.3251,
0.3339

 60.4800, 0.2210,
0.3156

 90.7967, 0.3250,
0.3349

 60.4741, 0.2210,
0.3156

 91.3900, 0.3249,
0.3358

Harmonies

Analogous

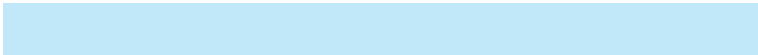
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7206, 0.2951, 0.3433



75.7206, 0.2828, 0.3267



75.7206, 0.2783, 0.3114

Triad

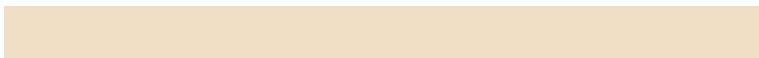
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.7206, 0.2828, 0.3267



75.7206, 0.3123, 0.3039



75.7206, 0.3434, 0.3565

Complementary

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



75.7206, 0.2828, 0.3267



58.7533, 0.3518, 0.3313

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.



75.7206, 0.3484, 0.3451



75.7206, 0.2828, 0.3267



75.7206, 0.3301, 0.3152

Square

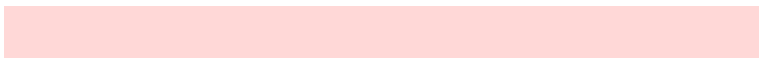
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7206, 0.2828, 0.3267



75.7206, 0.2950, 0.2989



75.7206, 0.3435, 0.3301



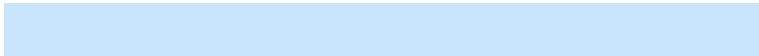
75.7206, 0.3301, 0.3608

Rectangle

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



75.7206, 0.2828, 0.3267



75.7206, 0.2803, 0.3039



75.7206, 0.3435, 0.3301



75.7206, 0.3461, 0.3534

Sweetspot

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



75.7237, 0.2828, 0.3267



96.8023, 0.3034, 0.3283



74.5440, 0.3092, 0.3820



20.6481, 0.3024, 0.3283



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.



75.7237, 0.2828, 0.3267



88.5490, 0.2770, 0.3262



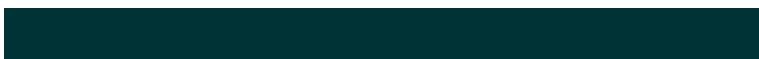
63.4234, 0.2811, 0.3002



17.0067, 0.2981, 0.3280



33.3880, 0.2211, 0.3158



2.6556, 0.2216, 0.3177

Inverse Universe

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



60.1631, 0.3165, 0.2815



66.8097, 0.3174, 0.2714



69.6262, 0.3470, 0.3562



15.3022, 0.3144, 0.3068



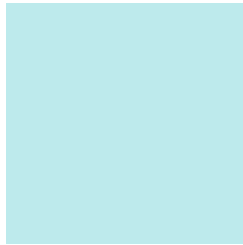
12.8634, 0.3317, 0.1601



1.0135, 0.3301, 0.1592

Previews

White Background



This preview shows how the Yxy color 75.7206, 0.2828, 0.3267 looks on a white background.

Color Contrast Check

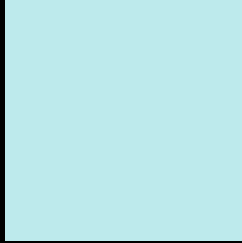
Large Text (above 18pt) WCAG AA × Fail

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 75.7206, 0.2828, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

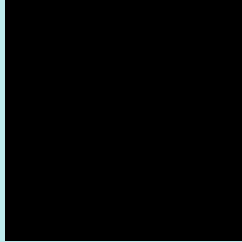
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7206, 0.2828, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 75.7206, 0.2828, 0.3267.

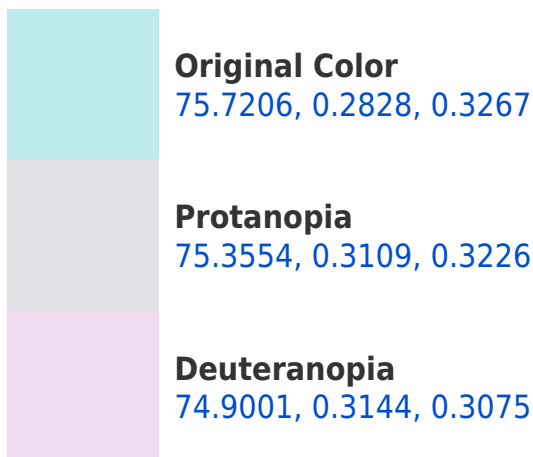


This preview shows how white text looks on a background with the Yxy color 75.7206, 0.2828, 0.3267.

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

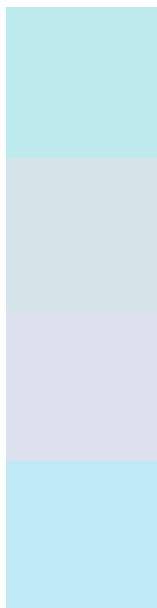




Tritanopia

75.8218, 0.2767, 0.3093

Trichromacy



Original Color

75.7206, 0.2828, 0.3267

Protanomaly

75.4591, 0.3001, 0.3246

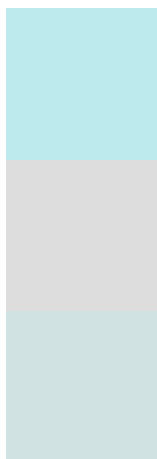
Deuteranomaly

74.8565, 0.3017, 0.3141

Tritanomaly

75.9468, 0.2790, 0.3157

Monochromacy



Original Color

75.7206, 0.2828, 0.3267

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.4390, 0.3011, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7206, 0.2828, 0.3267 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(189, 234, 236)` looks like.

```
.text, #text, p{  
    color:rgb(189, 234, 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(189, 234, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 234, 236) }
```

Border

The CSS property to change the border of an element to Yxy 75.7206, 0.2828, 0.3267 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(189, 234, 236) }
```

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

```
.border{ border-color:rgb(189, 234, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 234, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 234, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 234, 236);  
box-shadow:4px 4px 4px 4px rgb(189, 234,  
236) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 75.7206, 0.2828, 0.3267$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 234, 236) }
```

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

```
.background{ background-color: rgb(189,  
234, 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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