

Converting Colors

$Yxy(74.9648, 0.2816, 0.3234)$

Have a look what the booklet for
Yxy(74.9648, 0.2816, 0.3234)
contains.

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Color

Yxy(75.2697, 0.2816, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	BDE9EE
RGB	189, 233, 238
RGB Percent	74%, 91%, 93%
CMY	0.2588, 0.0863, 0.0665
CMYK	0.21, 0.02, 0.00, 0.07
HSL	186°, 59%, 84%
HSV	186°, 21%, 93%
XYZ	65.5612, 75.2697, 91.9860
YIQ	220.4140, -27.8290, -7.7730

Conversions

Conversions Part 2

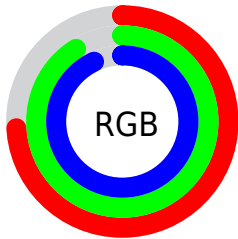
Format	Color
R _{YB}	189, 212, 238
Decimal	12446190
CIE _{Lab}	89.52, -13.04, -7.14
CIE _{LCh}	90, 14.869, 208.689
Yxy	75.2697, 0.2816, 0.3233
Android (android.graphics.Color)	4290636270 (0xFFBDE9EE)
YUV	220.4140, 8.6699, -27.5501
Hunter-Lab	86.7581, -16.9381, -2.1320

Details

The Yxy color **75.2697, 0.2816, 0.3233** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.4550, 0.3529, 0.3346**, and the grayscale version is **71.8302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **39.9726, 0.2748, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **71.1010, 0.2677, 0.3202**, and if you desaturate by 10%, it is **79.9632, 0.2964, 0.3262**.

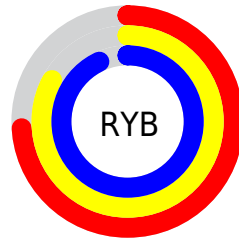
Distribution



Red (74%)

Green (91%)

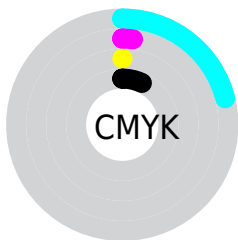
Blue (93%)



Red (74%)

Yellow (83%)

Blue (93%)

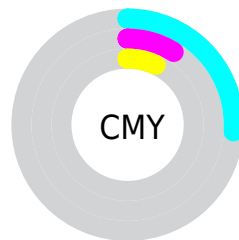


Cyan (21%)

Magenta (2%)

Yellow (0%)

Black (7%)



Cyan (26%)


Magenta (9%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2697, 0.2816, 0.3233 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 75.2697, 0.2816, 0.3233 by changing the saturation by 10% instead.

 75.2697, 0.2816,
0.3233

 75.2697, 0.2816,
0.3233


478.8441, 0.2958,
0.3261

 55.8339, 0.2784,
0.3226


 126.6941, 0.2865,
0.3243

 40.0697, 0.2745,
0.3218

159.4514, 0.2884,
0.3247

 27.5929, 0.2696,
0.3207


197.4180, 0.2900,
0.3250

 18.0190, 0.2632,
0.3192

240.9783, 0.2915,
0.3253

 10.9636, 0.2547,
0.3170

290.5166, 0.2927,
0.3255

 6.0424, 0.2426,
0.3138

346.4174, 0.2939,

 2.8709, 0.2244,

0.3257

0.3083

409.0651, 0.2949,
0.3259

1.0647, 0.1915,
0.2984

0.0000, 0.0000,
0.0000

75.2697, 0.2816,
0.3233

75.2697, 0.2816,
0.3233

71.1010, 0.2677,
0.3202

79.9632, 0.2964,
0.3262

67.4236, 0.2551,
0.3169

85.1951, 0.3118,
0.3289

64.2139, 0.2439,
0.3135

89.9490, 0.3239,
0.3313

61.4430, 0.2345,
0.3099

91.3993, 0.3236,
0.3336

■ 59.0785, 0.2269,
0.3063

■ 92.8691, 0.3234,
0.3360

■ 57.0832, 0.2213,
0.3027

■ 94.3585, 0.3232,
0.3384

■ 55.4130, 0.2176,
0.2992

■ 95.8674, 0.3230,
0.3407

■ 54.0704, 0.2155,
0.2959

■ 97.3960, 0.3228,
0.3430

■ 98.9443, 0.3226,
0.3453

Harmonies

Analogous

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



75.2697, 0.2923, 0.3398



75.2697, 0.2816, 0.3233



75.2697, 0.2790, 0.3090

Triad

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



75.2697, 0.2816, 0.3233



75.2697, 0.3161, 0.3062



75.2697, 0.3407, 0.3577

Complementary

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



75.2697, 0.2816, 0.3233



60.4550, 0.3529, 0.3346

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.



75.2697, 0.3476, 0.3477



75.2697, 0.2816, 0.3233



75.2697, 0.3332, 0.3183

Square

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



75.2697, 0.2816, 0.3233



75.2697, 0.2985, 0.2997



75.2697, 0.3448, 0.3333



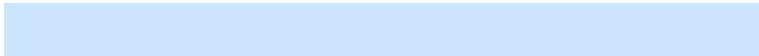
75.2697, 0.3264, 0.3600

Rectangle

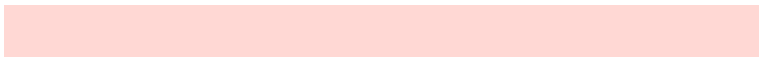
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.2697, 0.2816, 0.3233



75.2697, 0.2821, 0.3026



75.2697, 0.3448, 0.3333



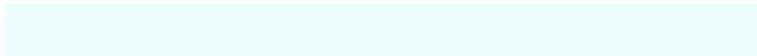
75.2697, 0.3440, 0.3551

Sweetspot

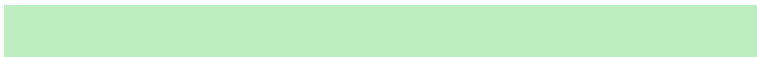
The Sweet Spot groups the original color and five complimentary colors.



75.2728, 0.2816, 0.3233



96.2152, 0.3034, 0.3274



75.8779, 0.3071, 0.3802



20.5089, 0.3024, 0.3273



0.0000, 0.0000, 0.0000



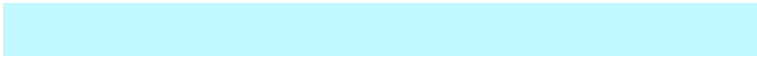
21.4041, 0.3127, 0.3290

Same Dimension

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



75.2728, 0.2816, 0.3233



85.7461, 0.2752, 0.3219



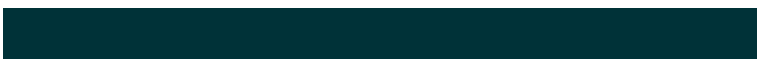
62.4057, 0.2797, 0.2952



17.6356, 0.2981, 0.3265



30.2682, 0.2157, 0.2965



2.5972, 0.2170, 0.3011

Inverse Universe

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



60.4619, 0.3189, 0.2828



65.4366, 0.3204, 0.2725



72.2180, 0.3477, 0.3606



16.0018, 0.3154, 0.3081



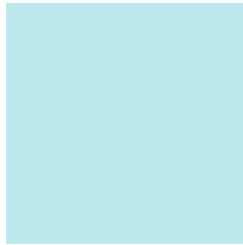
12.8489, 0.3486, 0.1694



1.0769, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 75.2697, 0.2816, 0.3233 looks on a white background.

Color Contrast Check

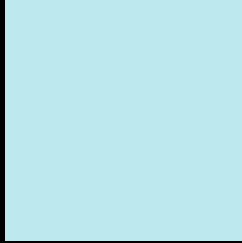
Large Text (above 18pt) WCAG AA × Fail

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 75.2697, 0.2816, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

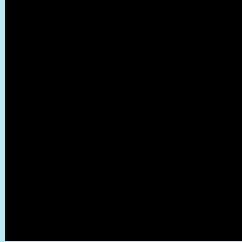
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2697, 0.2816, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 75.2697, 0.2816, 0.3233.

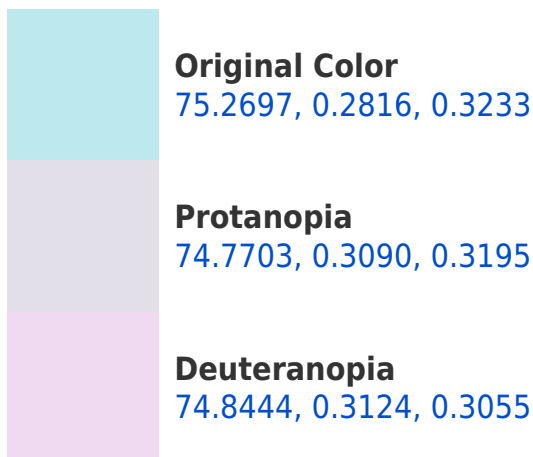


This preview shows how white text looks on a background with the Yxy color 75.2697, 0.2816, 0.3233.

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

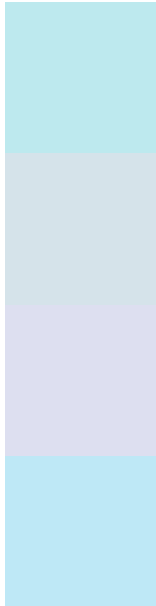




Tritanopia

75.1303, 0.2761, 0.3081

Trichromacy



Original Color

75.2697, 0.2816, 0.3233

Protanomaly

75.0248, 0.2988, 0.3214

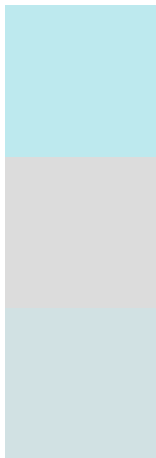
Deuteranomaly

74.4388, 0.3005, 0.3110

Tritanomaly

75.3142, 0.2777, 0.3135

Monochromacy



Original Color

75.2697, 0.2816, 0.3233

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.9518, 0.3005, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2697, 0.2816, 0.3233 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, 233, 238)` looks like.

```
.text, #text, p{  
    color:rgb(189, 233, 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(189, 233, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 233, 238) }
```

Border

The CSS property to change the border of an element to Yxy 75.2697, 0.2816, 0.3233 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, 233, 238) }
```

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

```
.border{ border-color:rgb(189, 233, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 233, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 233, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 233, 238); box-shadow:4px 4px 4px 4px rgb(189, 233, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2697, 0.2816, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 233, 238) }
```

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

```
.background{ background-color: rgb(189,  
233, 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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