

Converting Colors

$Yxy(72.7635, 0.2800, 0.3201)$

Have a look what the booklet for
Yxy(72.7635, 0.2800, 0.3201)
contains.

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Color

Yxy(72.5922, 0.2801, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	BAE5ED
RGB	186, 229, 237
RGB Percent	73%, 90%, 93%
CMY	0.2704, 0.1020, 0.0707
CMYK	0.21, 0.03, 0.00, 0.07
HSL	189°, 59%, 83%
HSV	189°, 21%, 93%
XYZ	63.5607, 72.5922, 90.7686
YIQ	217.0550, -28.1960, -6.6280

Conversions

Conversions Part 2

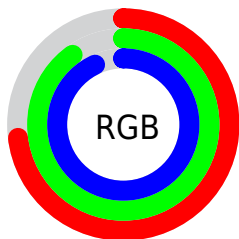
Format	Color
RYB	186, 209, 237
Decimal	12248557
CIELab	88.25, -12.13, -8.48
CIELCh	88, 14.799, 214.978
Yxy	72.5922, 0.2801, 0.3199
Android (android.graphics.Color)	4290438637 (0xFFBAE5ED)
YUV	217.0550, 9.8329, -27.2352
Hunter-Lab	85.2011, -15.9393, -3.5236

Details

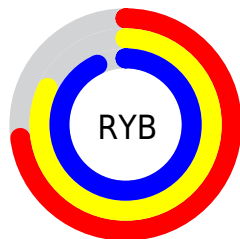
The Yxy color **72.5922, 0.2801, 0.3199** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.1467, 0.3544, 0.3379**, and the grayscale version is **69.3800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **38.5138, 0.2729, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **67.8338, 0.2660, 0.3151**, and if you desaturate by 10%, it is **77.8927, 0.2950, 0.3244**.

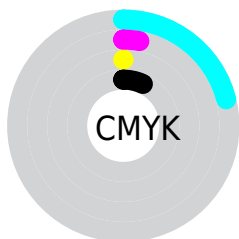
Distribution



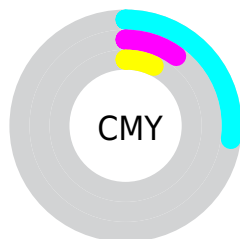
- Red (73%)
- Green (90%)
- Blue (93%)



- Red (73%)
- Yellow (82%)
- Blue (93%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)




- Cyan (27%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5922, 0.2801, 0.3199 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 72.5922, 0.2801, 0.3199 by changing the saturation by 10% instead.


 72.5922, 0.2801,
0.3199

 72.5922, 0.2801,
0.3199

469.6002, 0.2950,
0.3243

 53.6426, 0.2767,
0.3188


 122.8981, 0.2853,
0.3215

 38.3160, 0.2726,
0.3175


155.0232, 0.2873,
0.3221

 26.2280, 0.2673,
0.3158


192.3089, 0.2890,
0.3226

 16.9943, 0.2605,
0.3135

235.1396, 0.2905,
0.3230

 10.2304, 0.2514,
0.3103

283.8996, 0.2919,
0.3234

 5.5520, 0.2384,
0.3054

338.9735, 0.2930,

 2.5746, 0.2185,

0.3237

0.2973

400.7456, 0.2941,
0.3240

0.9139, 0.1779,
0.2840

0.0000, 0.0000,
0.0000

72.5922, 0.2801,
0.3199

72.5922, 0.2801,
0.3199

67.8338, 0.2660,
0.3151

77.8927, 0.2950,
0.3244

63.5843, 0.2529,
0.3100

83.7494, 0.3104,
0.3284

59.8199, 0.2413,
0.3046

89.7784, 0.3245,
0.3321

56.5115, 0.2313,
0.2991

91.9904, 0.3242,
0.3357

■ 53.6265, 0.2232,
0.2935

■ 94.2474, 0.3239,
0.3393

■ 51.1275, 0.2171,
0.2878

■ 96.5498, 0.3235,
0.3429

■ 48.9696, 0.2128,
0.2822

■ 98.8935, 0.3232,
0.3464

■ 47.3417, 0.2104,
0.2775

Harmonies

Analogous

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



72.5922, 0.2893, 0.3364



72.5922, 0.2801, 0.3199



72.5922, 0.2793, 0.3065

Triad

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



72.5922, 0.2801, 0.3199



72.5922, 0.3199, 0.3082



72.5922, 0.3384, 0.3591

Complementary

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



72.5922, 0.2801, 0.3199



60.1467, 0.3544, 0.3379

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.



72.5922, 0.3472, 0.3504



72.5922, 0.2801, 0.3199



72.5922, 0.3364, 0.3213

Square

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



72.5922, 0.2801, 0.3199



72.5922, 0.3019, 0.3003



72.5922, 0.3465, 0.3365



72.5922, 0.3228, 0.3596

Rectangle

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



72.5922, 0.2801, 0.3199



72.5922, 0.2837, 0.3011



72.5922, 0.3465, 0.3365



72.5922, 0.3423, 0.3570

Sweetspot

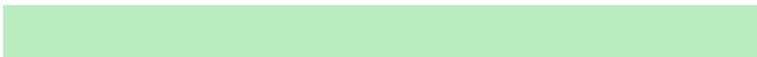
The Sweet Spot groups the original color and five complimentary colors.



72.5952, 0.2801, 0.3199



95.6918, 0.3034, 0.3266



74.8846, 0.3054, 0.3796



20.3848, 0.3024, 0.3264



0.0000, 0.0000, 0.0000



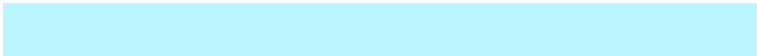
21.4041, 0.3127, 0.3290

Same Dimension

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



72.5952, 0.2801, 0.3199



83.0664, 0.2735, 0.3177



59.6840, 0.2780, 0.2906



16.6962, 0.2981, 0.3252



26.0106, 0.2107, 0.2784



2.1507, 0.2128, 0.2861

Inverse Universe

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



58.7957, 0.3213, 0.2835



64.0947, 0.3234, 0.2735



72.2928, 0.3489, 0.3647



15.2708, 0.3162, 0.3094



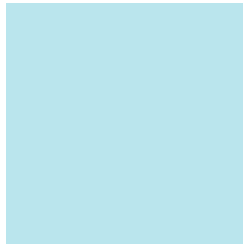
12.1186, 0.3649, 0.1784



0.9625, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 72.5922, 0.2801, 0.3199 looks on a white background.

Color Contrast Check

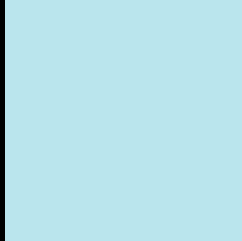
Large Text (above 18pt) WCAG AA × Fail

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 72.5922, 0.2801, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

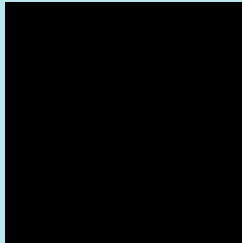
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

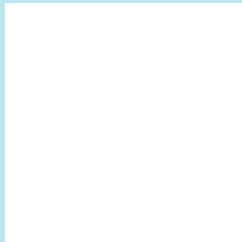
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.5922, 0.2801, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 72.5922, 0.2801, 0.3199.

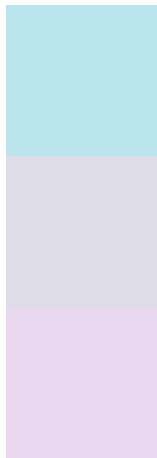


This preview shows how white text looks on a background with the Yxy color 72.5922, 0.2801, 0.3199.

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

72.5922, 0.2801, 0.3199

Protanopia

72.4855, 0.3069, 0.3172

Deuteranopia

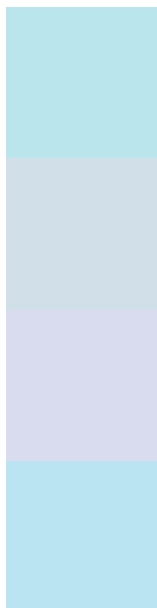
72.3846, 0.3096, 0.3030



Tritanopia

72.8320, 0.2762, 0.3089

Trichromacy



Original Color

72.5922, 0.2801, 0.3199

Protanomaly

72.2139, 0.2968, 0.3180

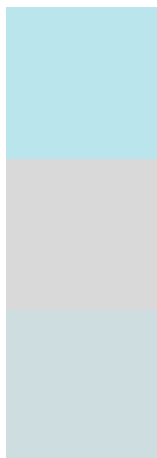
Deuteranomaly

72.1701, 0.2984, 0.3086

Tritanomaly

72.5227, 0.2772, 0.3121

Monochromacy



Original Color

72.5922, 0.2801, 0.3199

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.2165, 0.3003, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5922, 0.2801, 0.3199 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(186, 229, 237)` looks like.

```
.text, #text, p{  
    color:rgb(186, 229, 237)  
}
```

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(186, 229, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 229, 237) }
```

Border

The CSS property to change the border of an element to Yxy 72.5922, 0.2801, 0.3199 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(186, 229, 237) }
```

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

```
.border{ border-color:rgb(186, 229, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 229, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 229, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 229, 237);  
box-shadow:4px 4px 4px 4px rgb(186, 229,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5922, 0.2801, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 229, 237) }
```

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

```
.background{ background-color: rgb(186,  
229, 237) }
```

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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