

Converting Colors

$Yxy(73.2713, 0.2805, 0.3228)$

Have a look what the booklet for
Yxy(73.2713, 0.2805, 0.3228)
contains.

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Color

Yxy(72.9640, 0.2801, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	B9E6EC
RGB	185, 230, 236
RGB Percent	73%, 90%, 93%
CMY	0.2744, 0.0980, 0.0744
CMYK	0.22, 0.03, 0.00, 0.07
HSL	187°, 57%, 83%
HSV	187°, 22%, 93%
XYZ	63.4499, 72.9640, 90.1120
YIQ	217.2290, -28.7460, -7.6740

Conversions

Conversions Part 2

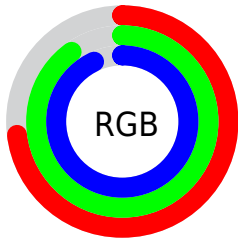
Format	Color
R _Y B	185, 209, 236
Decimal	12183276
CIE Lab	88.43, -13.15, -7.72
CIE LCh	88, 15.246, 210.432
Yxy	72.9640, 0.2801, 0.3221
Android (android.graphics.Color)	4290373356 (0xFFB9E6EC)
YUV	217.2290, 9.2541, -28.2648
Hunter-Lab	85.4190, -16.8919, -2.7542

Details

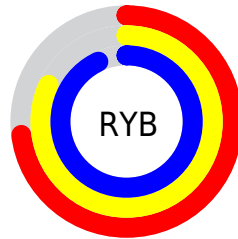
The Yxy color **72.9640, 0.2801, 0.3221** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6201, 0.3551, 0.3358**, and the grayscale version is **69.5078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **38.3927, 0.2728, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **68.7317, 0.2662, 0.3185**, and if you desaturate by 10%, it is **77.7143, 0.2949, 0.3255**.

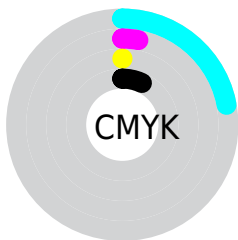
Distribution



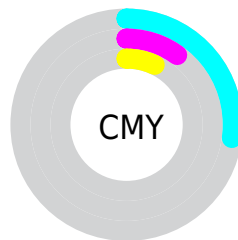
- Red (73%)
- Green (90%)
- Blue (93%)



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



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9640, 0.2801, 0.3221 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 72.9640, 0.2801, 0.3221 by changing the saturation by 10% instead.


 72.9640, 0.2801,
0.3221

 72.9640, 0.2801,
0.3221


470.8900, 0.2950,
0.3255

 53.9465, 0.2767,
0.3213


 123.4261, 0.2853,
0.3233

 38.5589, 0.2726,
0.3202


155.6395, 0.2873,
0.3238

 26.4168, 0.2673,
0.3189


193.0204, 0.2890,
0.3242

 17.1357, 0.2606,
0.3171

235.9531, 0.2905,
0.3245

 10.3313, 0.2514,
0.3145

284.8220, 0.2919,
0.3248

 5.6192, 0.2384,
0.3105

340.0115, 0.2930,

 2.6149, 0.2187,

0.3251

0.3039

401.9061, 0.2941,
0.3253

0.9342, 0.1777,
0.2932

0.0000, 0.0000,
0.0000

72.9640, 0.2801,
0.3221

72.9640, 0.2801,
0.3221

68.7317, 0.2662,
0.3185

77.7143, 0.2949,
0.3255

64.9844, 0.2536,
0.3147

82.9962, 0.3102,
0.3285

61.6988, 0.2424,
0.3107

88.6769, 0.3253,
0.3313

58.8462, 0.2330,
0.3066

90.3159, 0.3250,
0.3340

■ 56.3944, 0.2254,
0.3024

■ 91.9802, 0.3248,
0.3367

■ 54.3065, 0.2198,
0.2983

■ 93.6698, 0.3245,
0.3394

■ 52.5382, 0.2161,
0.2941

■ 95.3848, 0.3243,
0.3421

■ 51.2416, 0.2141,
0.2907

■ 97.1255, 0.3240,
0.3448

■ 98.8374, 0.3238,
0.3473

Harmonies

Analogous

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



72.9640, 0.2907, 0.3392



72.9640, 0.2801, 0.3221



72.9640, 0.2779, 0.3076

Triad

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



72.9640, 0.2801, 0.3221



72.9640, 0.3173, 0.3060



72.9640, 0.3411, 0.3591

Complementary

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



72.9640, 0.2801, 0.3221



58.6201, 0.3551, 0.3358

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.



72.9640, 0.3487, 0.3491



72.9640, 0.2801, 0.3221



72.9640, 0.3348, 0.3188

Square

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



72.9640, 0.2801, 0.3221



72.9640, 0.2990, 0.2989



72.9640, 0.3465, 0.3344



72.9640, 0.3258, 0.3610

Rectangle

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



72.9640, 0.2801, 0.3221



72.9640, 0.2815, 0.3013



72.9640, 0.3465, 0.3344



72.9640, 0.3446, 0.3565

Sweetspot

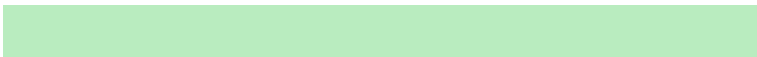
The Sweet Spot groups the original color and five complimentary colors.



72.9670, 0.2801, 0.3221



96.0653, 0.3034, 0.3272



74.0805, 0.3064, 0.3820



20.4733, 0.3024, 0.3270



0.0000, 0.0000, 0.0000



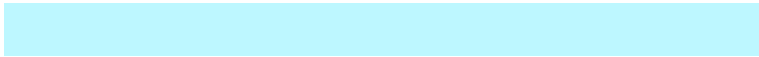
21.4041, 0.3127, 0.3290

Same Dimension

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



72.9670, 0.2801, 0.3221



84.6261, 0.2737, 0.3205



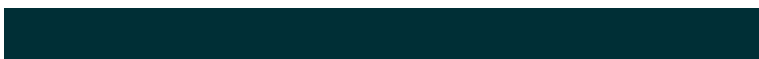
59.8311, 0.2780, 0.2924



16.8004, 0.2981, 0.3261



28.3650, 0.2143, 0.2914



2.3133, 0.2159, 0.2971

Inverse Universe

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



58.2554, 0.3198, 0.2813



64.2522, 0.3215, 0.2712



70.6936, 0.3494, 0.3631



15.2814, 0.3156, 0.3085



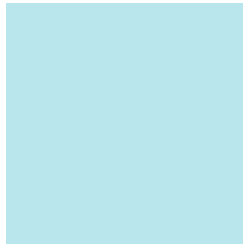
12.3563, 0.3531, 0.1719



0.9789, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 72.9640, 0.2801, 0.3221 looks on a white background.

Color Contrast Check

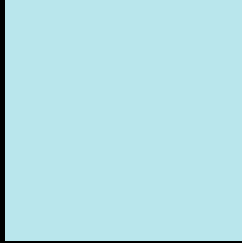
Large Text (above 18pt) WCAG AA × Fail

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 72.9640, 0.2801, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

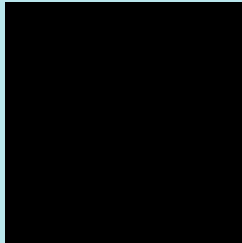
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

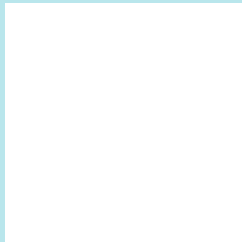
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9640, 0.2801, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 72.9640, 0.2801, 0.3221.

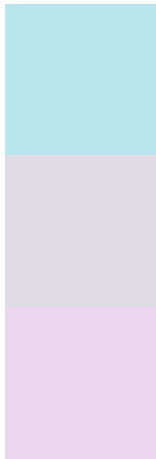


This preview shows how white text looks on a background with the Yxy color 72.9640, 0.2801, 0.3221.

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

72.9640, 0.2801, 0.3221

Protanopia

72.5875, 0.3083, 0.3183

Deuteranopia

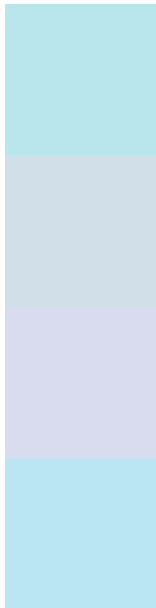
72.4950, 0.3110, 0.3041



Tritanopia

72.7670, 0.2751, 0.3078

Trichromacy



Original Color

72.9640, 0.2801, 0.3221

Protanomaly

72.6928, 0.2974, 0.3202

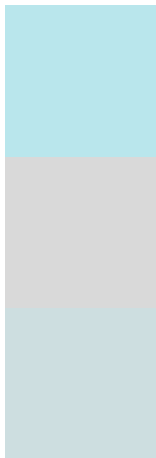
Deuteranomaly

72.1112, 0.2990, 0.3096

Tritanomaly

72.9488, 0.2767, 0.3133

Monochromacy



Original Color

72.9640, 0.2801, 0.3221

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.6035, 0.2997, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9640, 0.2801, 0.3221 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(185, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(185, 230, 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(185, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 230, 236) }
```

Border

The CSS property to change the border of an element to Yxy 72.9640, 0.2801, 0.3221 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(185, 230, 236) }
```

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

```
.border{ border-color:rgb(185, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(185, 230,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9640, 0.2801, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 230, 236) }
```

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

```
.background{ background-color: rgb(185,  
230, 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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