

Converting Colors

$Yxy(73.1928, 0.2828, 0.3312)$

Have a look what the booklet for
Yxy(73.1928, 0.2828, 0.3312)
contains.

Yxy(72.8763, 0.2829, 0.3312)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.8763, 0.2829, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	B7E7E5
RGB	183, 231, 229
RGB Percent	72%, 91%, 90%
CMY	0.2823, 0.0941, 0.1020
CMYK	0.21, 0.00, 0.01, 0.09
HSL	177°, 50%, 81%
HSV	177°, 21%, 91%
XYZ	62.2485, 72.8763, 84.9123
YIQ	216.4200, -27.9660, -10.7980

Conversions

Conversions Part 2

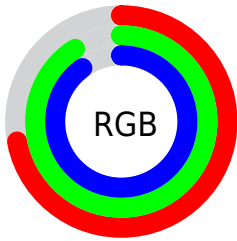
Format	Color
R _Y B	183, 208, 231
Decimal	12052453
CIE Lab	88.39, -15.74, -4.11
CIE LCh	88, 16.269, 194.637
Yxy	72.8763, 0.2829, 0.3312
Android (android.graphics.Color)	4290242533 (0xFFB7E7E5)
YUV	216.4200, 6.2019, -29.3093
Hunter-Lab	85.3676, -19.2344, 0.7835

Details

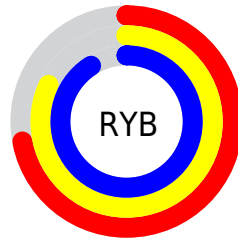
The Yxy color **72.8763, 0.2829, 0.3312** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.3646, 0.3526, 0.3269**, and the grayscale version is **68.9448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **38.3831, 0.2757, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **70.2213, 0.2701, 0.3324**, and if you desaturate by 10%, it is **76.0025, 0.2968, 0.3301**.

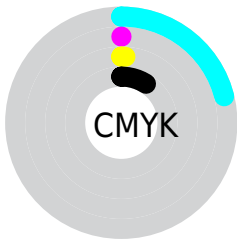
Distribution



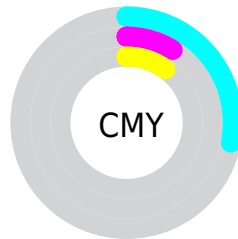
- Red (72%)
- Green (91%)
- Blue (90%)



- Red (72%)
- Yellow (82%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (28%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8763, 0.2829, 0.3312 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 72.8763, 0.2829, 0.3312 by changing the saturation by 10% instead.


 72.8763, 0.2829,
0.3312

 72.8763, 0.2829,
0.3312

470.5860, 0.2966,
0.3303

 53.8748, 0.2798,
0.3314


 123.3016, 0.2876,
0.3309

 38.5016, 0.2760,
0.3316


155.4942, 0.2895,
0.3308

 26.3722, 0.2711,
0.3318


192.8526, 0.2911,
0.3307

 17.1023, 0.2649,
0.3320

235.7613, 0.2925,
0.3306

 10.3075, 0.2563,
0.3322

284.6045, 0.2937,
0.3305

 5.6033, 0.2442,
0.3324

339.7668, 0.2948,

 2.6054, 0.2255,

0.3305

401.6325, 0.2957,
0.3304

0.3322

0.9294, 0.1802,
0.3359

0.0000, 0.0000,
0.0000

72.8763, 0.2829,
0.3312

72.8763, 0.2829,
0.3312

70.2213, 0.2701,
0.3324

76.0025, 0.2968,
0.3301

68.0058, 0.2588,
0.3337

79.6119, 0.3115,
0.3291


66.2083, 0.2490,
0.3350

83.7275, 0.3268,
0.3282

64.8018, 0.2412,
0.3364


84.2886, 0.3281,
0.3272

 63.7562, 0.2352,
0.3377


 84.3438, 0.3274,
0.3263


 63.0372, 0.2312,
0.3391

 84.3994, 0.3268,
0.3253

 62.6035, 0.2290,
0.3405

 84.4552, 0.3262,
0.3244

 62.3930, 0.2283,
0.3417

 84.5114, 0.3255,
0.3234

 84.5679, 0.3249,
0.3225

Harmonies

Analogous

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



72.8763, 0.2980, 0.3488



72.8763, 0.2829, 0.3312



72.8763, 0.2757, 0.3136

Triad

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



72.8763, 0.2829, 0.3312



72.8763, 0.3070, 0.2996



72.8763, 0.3485, 0.3563

Complementary

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



72.8763, 0.2829, 0.3312



54.3646, 0.3526, 0.3269

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.



72.8763, 0.3513, 0.3425



72.8763, 0.2829, 0.3312



72.8763, 0.3269, 0.3103

Square

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



72.8763, 0.2829, 0.3312



72.8763, 0.2892, 0.2961



72.8763, 0.3433, 0.3258



72.8763, 0.3360, 0.3634

Rectangle

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



72.8763, 0.2829, 0.3312



72.8763, 0.2761, 0.3044



72.8763, 0.3433, 0.3258



72.8763, 0.3506, 0.3523

Sweetspot

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



72.8793, 0.2829, 0.3312



97.1717, 0.3037, 0.3296



70.9384, 0.3116, 0.3863



20.7358, 0.3027, 0.3297



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.



72.8793, 0.2829, 0.3312



89.6785, 0.2772, 0.3317



61.6392, 0.2801, 0.3036



16.3255, 0.2987, 0.3300



34.9821, 0.2282, 0.3415



2.5883, 0.2277, 0.3395

Inverse Universe

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



54.3646, 0.3526, 0.3269



62.5218, 0.3636, 0.3264



63.8840, 0.3495, 0.3531



14.3777, 0.3286, 0.3281



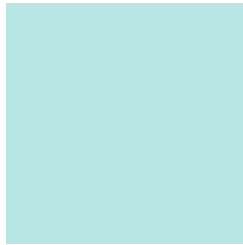
9.5406, 0.6355, 0.3274



0.7085, 0.6228, 0.3205

Previews

White Background



This preview shows how the Yxy color 72.8763, 0.2829, 0.3312 looks on a white background.

Color Contrast Check

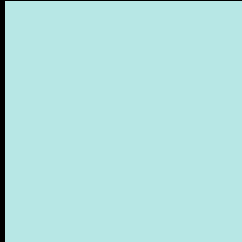
Large Text (above 18pt) WCAG AA × Fail

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 72.8763, 0.2829, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

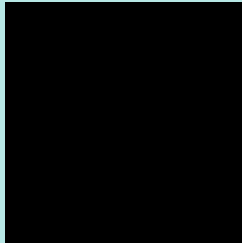
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

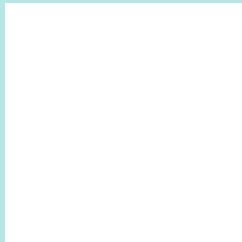
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8763, 0.2829, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 72.8763, 0.2829, 0.3312.

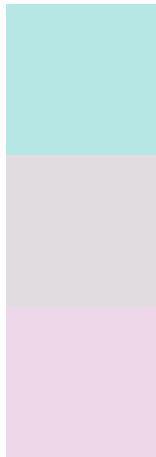


This preview shows how white text looks on a background with the Yxy color 72.8763, 0.2829, 0.3312.

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

72.8763, 0.2829, 0.3312

Protanopia

72.5217, 0.3143, 0.3258

Deuteranopia

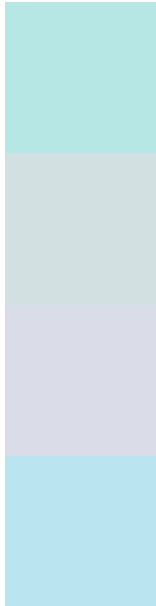
72.6042, 0.3179, 0.3114



Tritanopia

72.7670, 0.2751, 0.3078

Trichromacy



Original Color

72.8763, 0.2829, 0.3312

Protanomaly

72.4492, 0.3024, 0.3279

Deuteranomaly

72.3879, 0.3041, 0.3182

Tritanomaly

72.7690, 0.2784, 0.3166

Monochromacy



Original Color

72.8763, 0.2829, 0.3312

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.7707, 0.3009, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8763, 0.2829, 0.3312 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(183, 231, 229)` looks like.

```
.text, #text, p{  
    color:rgb(183, 231, 229)  
}
```

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(183, 231, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 231, 229) }
```

Border

The CSS property to change the border of an element to Yxy 72.8763, 0.2829, 0.3312 is called "border". The border property can be set on classes, ids or directly on the HTML element.

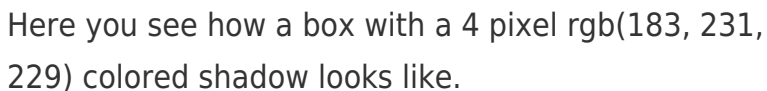
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 231, 229) }
```

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

```
.border{ border-color:rgb(183, 231, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 231, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 231, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 231, 229); box-shadow:4px 4px 4px 4px rgb(183, 231, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8763, 0.2829, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 231, 229) }
```

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

```
.background{ background-color: rgb(183,  
231, 229) }
```

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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