

Converting Colors

$Yxy(72.8420, 0.2878, 0.3078)$

Have a look what the booklet for
Yxy(72.8420, 0.2878, 0.3078)
contains.

Yxy(72.8221, 0.2876, 0.3072)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.8221, 0.2876, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	CDE0F4
RGB	205, 224, 244
RGB Percent	80%, 88%, 96%
CMY	0.1958, 0.1216, 0.0431
CMYK	0.16, 0.08, 0.00, 0.04
HSL	211°, 64%, 88%
HSV	211°, 16%, 96%
XYZ	68.1759, 72.8221, 96.0531
YIQ	220.5990, -17.7440, 2.1920

Conversions

Conversions Part 2

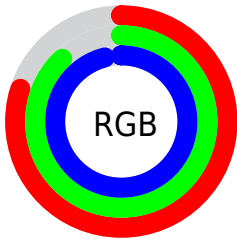
Format	Color
R _{YB}	205, 218, 244
Decimal	13492468
CIE Lab	88.36, -2.26, -11.88
CIE LCh	88, 12.092, 259.214
Yxy	72.8221, 0.2876, 0.3072
Android (android.graphics.Color)	4291682548 (0xFFCDE0F4)
YUV	220.5990, 11.5367, -13.6803
Hunter-Lab	85.3359, -6.7319, -7.0011

Details

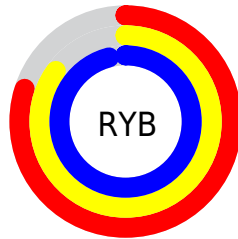
The Yxy color **72.8221, 0.2876, 0.3072** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.5432, 0.3397, 0.3499**, and the grayscale version is **71.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4908, 0.2812, 0.3020** is the 20% darker color. If you saturate the color by 10%, you get **63.1238, 0.2712, 0.2915**, and if you desaturate by 10%, it is **83.5652, 0.3035, 0.3213**.

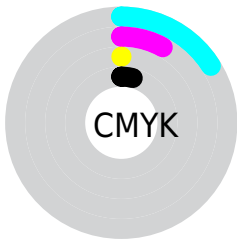
Distribution



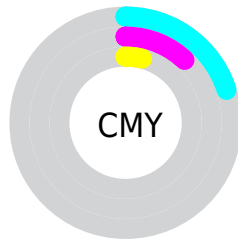
- Red (80%)
- Green (88%)
- Blue (96%)



- Red (80%)
- Yellow (85%)
- Blue (96%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)



- Cyan (20%)
- Magenta (12%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8221, 0.2876, 0.3072 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 72.8221, 0.2876, 0.3072 by changing the saturation by 10% instead.

■ 72.8221, 0.2876,
0.3072

■ 72.8221, 0.2876,
0.3072

470.3980, 0.2992,
0.3173

■ 53.8305, 0.2850,
0.3049

123.2246, 0.2916,
0.3107

■ 38.4662, 0.2818,
0.3020

155.4043, 0.2931,
0.3121

■ 26.3447, 0.2777,
0.2984

192.7489, 0.2945,
0.3132

■ 17.0817, 0.2724,
0.2937

235.6427, 0.2957,
0.3143

■ 10.2928, 0.2652,
0.2873

284.4701, 0.2967,
0.3152

■ 5.5935, 0.2550,
0.2781

339.6155, 0.2976,

■ 2.5995, 0.2394,

0.3160

0.2638

401.4634, 0.2984,
0.3167

0.9264, 0.2125,
0.2387

0.0000, 0.0000,
0.0000

72.8221, 0.2876,
0.3072

72.8221, 0.2876,
0.3072

63.1238, 0.2712,
0.2915

83.5652, 0.3035,
0.3213

54.4256, 0.2546,
0.2744

95.3777, 0.3188,
0.3339

46.6924, 0.2382,
0.2559

99.3119, 0.3191,
0.3395

39.8835, 0.2225,
0.2364

■ 33.9545, 0.2081,
0.2162

■ 28.8560, 0.1956,
0.1959

■ 24.5323, 0.1854,
0.1761

■ 20.9165, 0.1777,
0.1574

■ 19.6187, 0.1751,
0.1501

Harmonies

Analogous

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



72.8221, 0.2848, 0.3160



72.8221, 0.2876, 0.3072



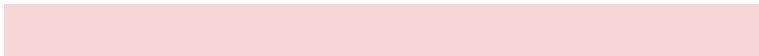
72.8221, 0.2970, 0.3044

Triad

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



72.8221, 0.2876, 0.3072



72.8221, 0.3368, 0.3286



72.8221, 0.3141, 0.3515

Complementary

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



72.8221, 0.2876, 0.3072



77.5432, 0.3397, 0.3499

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.



72.8221, 0.3282, 0.3546



72.8221, 0.2876, 0.3072



72.8221, 0.3415, 0.3410

Square

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



72.8221, 0.2876, 0.3072



72.8221, 0.3254, 0.3166



72.8221, 0.3383, 0.3506



72.8221, 0.2998, 0.3418

Rectangle

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



72.8221, 0.2876, 0.3072



72.8221, 0.3060, 0.3060



72.8221, 0.3383, 0.3506



72.8221, 0.3190, 0.3533

Sweetspot

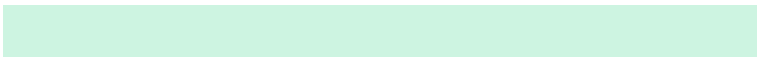
The Sweet Spot groups the original color and five complimentary colors.



72.8251, 0.2876, 0.3072



93.5500, 0.3050, 0.3226



83.1042, 0.2994, 0.3501



19.8347, 0.3039, 0.3216



0.0000, 0.0000, 0.0000



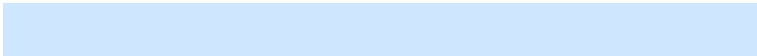
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8251, 0.2876, 0.3072



77.0641, 0.2826, 0.3025



63.2174, 0.2867, 0.2860



17.2558, 0.2980, 0.3165



10.9385, 0.1758, 0.1530



1.1663, 0.1822, 0.1760

Inverse Universe

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



68.3113, 0.3289, 0.3094



71.3861, 0.3326, 0.3054



88.3491, 0.3367, 0.3687



16.6167, 0.3217, 0.3176



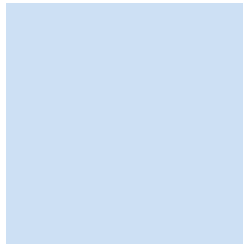
11.2036, 0.5020, 0.2539



1.0054, 0.4733, 0.2381

Previews

White Background



This preview shows how the Yxy color 72.8221, 0.2876, 0.3072 looks on a white background.

Color Contrast Check

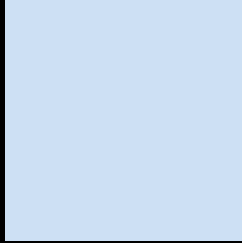
Large Text (above 18pt) WCAG AA × Fail

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 72.8221, 0.2876, 0.3072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

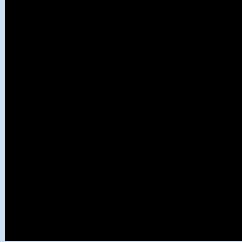
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

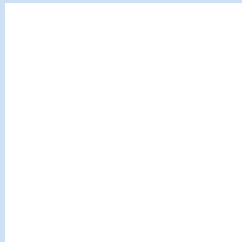
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8221, 0.2876, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 72.8221, 0.2876, 0.3072.



This preview shows how white text looks on a background with the Yxy color 72.8221, 0.2876, 0.3072.

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

72.8221, 0.2876, 0.3072

Protanopia

72.7529, 0.2992, 0.3066

Deuteranopia

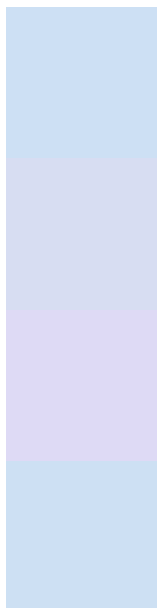
72.4105, 0.3043, 0.2969



Tritanopia

72.7012, 0.2887, 0.3093

Trichromacy



Original Color

72.8221, 0.2876, 0.3072

Protanomaly

72.5708, 0.2952, 0.3065

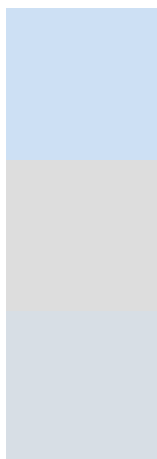
Deuteranomaly

72.2650, 0.2980, 0.3005

Tritanomaly

72.7615, 0.2881, 0.3083

Monochromacy



Original Color

72.8221, 0.2876, 0.3072

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.3468, 0.3033, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8221, 0.2876, 0.3072 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(205, 224, 244)` looks like.

```
.text, #text, p{  
    color:rgb(205, 224, 244)  
}
```

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(205, 224, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 224, 244) }
```

Border

The CSS property to change the border of an element to Yxy 72.8221, 0.2876, 0.3072 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(205, 224, 244) }
```

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

```
.border{ border-color:rgb(205, 224, 244) }
```

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

Here you see how a box with a 4 pixel rgb(205, 224, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 224, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 224, 244);  
box-shadow:4px 4px 4px 4px rgb(205, 224,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8221, 0.2876, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 224, 244) }
```

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

```
.background{ background-color: rgb(205,  
224, 244) }
```

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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