

Converting Colors

$Y_{xy}(72.1203, 0.2923, 0.3249)$

Have a look what the booklet for
Yxy(72.1203, 0.2923, 0.3249)
contains.

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Color

Yxy(72.1920, 0.2927, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	C7E2E5
RGB	199, 226, 229
RGB Percent	78%, 89%, 90%
CMY	0.2195, 0.1137, 0.1020
CMYK	0.13, 0.01, 0.00, 0.10
HSL	186°, 37%, 84%
HSV	186°, 13%, 90%
XYZ	64.8974, 72.1920, 84.6305
YIQ	218.2690, -17.0550, -4.7910

Conversions

Conversions Part 2

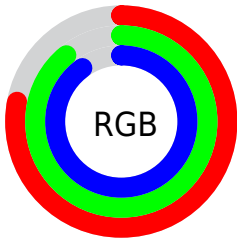
Format	Color
R _Y B	199, 213, 229
Decimal	13099749
CIE Lab	88.06, -8.25, -4.47
CIE LCh	88, 9.388, 208.448
Yxy	72.1920, 0.2927, 0.3256
Android (android.graphics.Color)	4291289829 (0xFFC7E2E5)
YUV	218.2690, 5.2904, -16.8989
Hunter-Lab	84.9659, -12.3510, 0.4202

Details

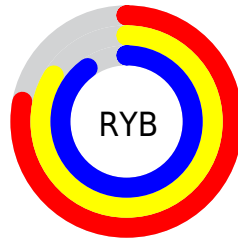
The Yxy color **72.1920, 0.2927, 0.3256** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.0330, 0.3361, 0.3324**, and the grayscale version is **70.2830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2016, 0.2878, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **68.0602, 0.2781, 0.3227**, and if you desaturate by 10%, it is **76.8176, 0.3079, 0.3282**.

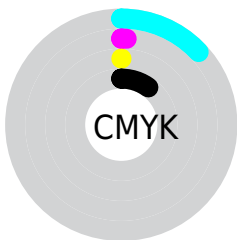
Distribution



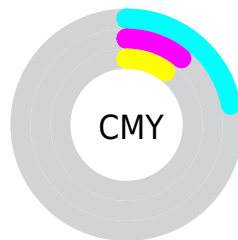
- Red (78%)
- Green (89%)
- Blue (90%)



- Red (78%)
- Yellow (84%)
- Blue (90%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (22%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1920, 0.2927, 0.3256 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 72.1920, 0.2927, 0.3256 by changing the saturation by 10% instead.

■ 72.1920, 0.2927,
0.3256

■ 72.1920, 0.2927,
0.3256

468.2096, 0.3019,
0.3273

■ 53.3155, 0.2906,
0.3252

122.3295, 0.2959,
0.3262

■ 38.0547, 0.2880,
0.3247

154.3593, 0.2971,
0.3264

■ 26.0252, 0.2847,
0.3241

191.5423, 0.2982,
0.3266

■ 16.8425, 0.2804,
0.3232

234.2629, 0.2991,
0.3268

■ 10.1222, 0.2746,
0.3219

282.9056, 0.3000,
0.3269

■ 5.4801, 0.2662,
0.3200

337.8546, 0.3007,

■ 2.5316, 0.2532,

0.3270

0.3169

399.4945, 0.3013,
0.3272

0.8924, 0.2261,
0.3120

0.0000, 0.0000,
0.0000

72.1920, 0.2927,
0.3256

72.1920, 0.2927,
0.3256

68.0602, 0.2781,
0.3227

76.8176, 0.3079,
0.3282

64.3923, 0.2646,
0.3197


81.9479, 0.3236,
0.3306

61.1685, 0.2523,
0.3165

85.1089, 0.3304,
0.3329

58.3644, 0.2416,
0.3131


86.4094, 0.3301,
0.3351


 55.9528, 0.2327,
0.3097

 87.7266, 0.3299,
0.3374

 53.9034, 0.2256,
0.3062


 89.0606, 0.3296,
0.3396


 52.1812, 0.2205,
0.3027

 90.4116, 0.3294,
0.3418

 50.7438, 0.2173,
0.2993

 91.7796, 0.3291,
0.3440

 49.8692, 0.2158,
0.2969

 93.1646, 0.3289,
0.3462

Harmonies

Analogous

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



72.1920, 0.2997, 0.3360



72.1920, 0.2927, 0.3256



72.1920, 0.2909, 0.3164

Triad

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



72.1920, 0.2927, 0.3256



72.1920, 0.3149, 0.3142



72.1920, 0.3307, 0.3474

Complementary

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



72.1920, 0.2927, 0.3256



63.0330, 0.3361, 0.3324

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.



72.1920, 0.3350, 0.3411



72.1920, 0.2927, 0.3256



72.1920, 0.3257, 0.3221

Square

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



72.1920, 0.2927, 0.3256



72.1920, 0.3036, 0.3100



72.1920, 0.3332, 0.3319



72.1920, 0.3216, 0.3487

Rectangle

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



72.1920, 0.2927, 0.3256



72.1920, 0.2930, 0.3121



72.1920, 0.3332, 0.3319



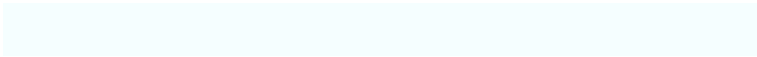
72.1920, 0.3328, 0.3457

Sweetspot

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



72.1950, 0.2927, 0.3256



97.4691, 0.3065, 0.3280



72.4196, 0.3095, 0.3605



20.7630, 0.3053, 0.3278



0.0000, 0.0000, 0.0000



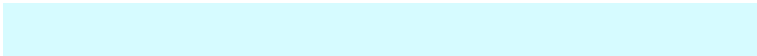
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1950, 0.2927, 0.3256



90.4973, 0.2882, 0.3248



64.6484, 0.2923, 0.3091



16.0777, 0.2982, 0.3266



28.6183, 0.2160, 0.2975



2.1862, 0.2174, 0.3024

Inverse Universe

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



63.0102, 0.3164, 0.2999



76.4151, 0.3173, 0.2931



70.1525, 0.3340, 0.3481



14.5891, 0.3153, 0.3081



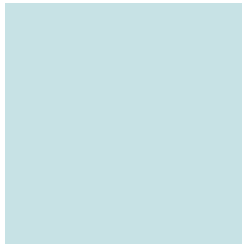
12.0867, 0.3477, 0.1689



0.9004, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 72.1920, 0.2927, 0.3256 looks on a white background.

Color Contrast Check

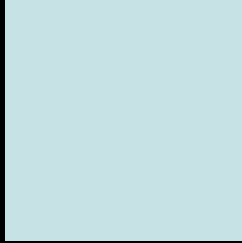
Large Text (above 18pt) WCAG AA × Fail

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 72.1920, 0.2927, 0.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

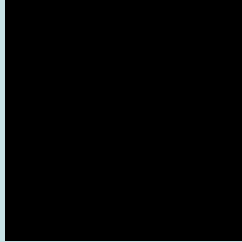
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

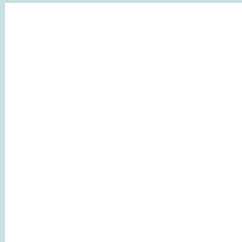
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1920, 0.2927, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 72.1920, 0.2927, 0.3256.

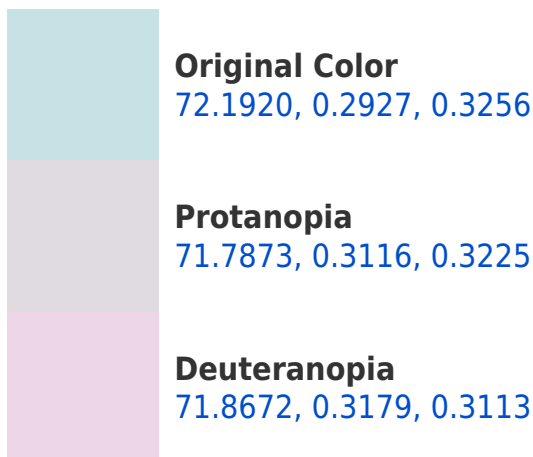


This preview shows how white text looks on a background with the Yxy color 72.1920, 0.2927, 0.3256.

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

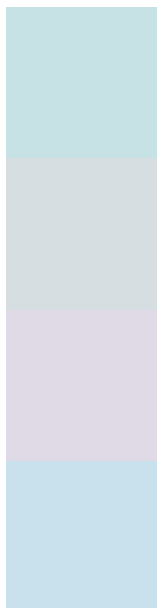




Tritanopia

72.1396, 0.2862, 0.3092

Trichromacy



Original Color

72.1920, 0.2927, 0.3256

Protanomaly

72.0297, 0.3045, 0.3246

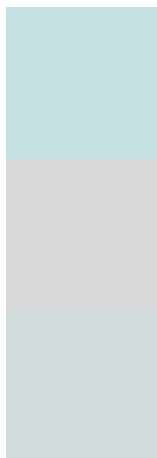
Deuteranomaly

71.5440, 0.3083, 0.3161

Tritanomaly

72.2442, 0.2885, 0.3157

Monochromacy



Original Color

72.1920, 0.2927, 0.3256

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.8357, 0.3051, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1920, 0.2927, 0.3256 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(199, 226, 229)` looks like.

```
.text, #text, p{  
    color:rgb(199, 226, 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(199, 226, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 226, 229) }
```

Border

The CSS property to change the border of an element to Yxy 72.1920, 0.2927, 0.3256 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(199, 226, 229) }
```

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

```
.border{ border-color:rgb(199, 226, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 226, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 226, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 226, 229); box-shadow:4px 4px 4px 4px rgb(199, 226, 229) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.1920, 0.2927, 0.3256$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 226, 229) }
```

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

```
.background{ background-color: rgb(199,  
226, 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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