

Converting Colors

$Yxy(72.8407, 0.2939, 0.3238)$

Have a look what the booklet for
Yxy(72.8407, 0.2939, 0.3238)
contains.

Yxy(72.8587, 0.2941, 0.3234)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.8587, 0.2941, 0.3234)

Conversions

Conversions Part 1

Format	Color
Hex	CBE2E7
RGB	203, 226, 231
RGB Percent	80%, 89%, 91%
CMY	0.2037, 0.1138, 0.0941
CMYK	0.12, 0.02, 0.00, 0.09
HSL	191°, 37%, 85%
HSV	191°, 12%, 91%
XYZ	66.2577, 72.8587, 86.1733
YIQ	219.6930, -15.3130, -3.3210

Conversions

Conversions Part 2

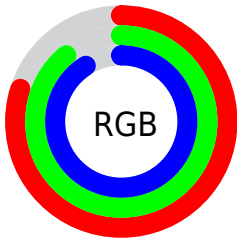
Format	Color
R _Y B	203, 216, 231
Decimal	13361895
CIE Lab	88.38, -6.58, -5.03
CIE LCh	88, 8.280, 217.425
Yxy	72.8587, 0.2941, 0.3234
Android (android.graphics.Color)	4291551975 (0xFFCBE2E7)
YUV	219.6930, 5.5744, -14.6398
Hunter-Lab	85.3573, -10.8165, -0.1067

Details

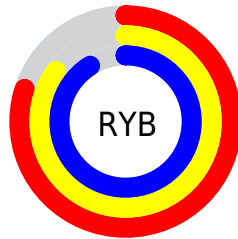
The Yxy color **72.8587, 0.2941, 0.3234** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.4420, 0.3339, 0.3345**, and the grayscale version is **71.3202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.6105, 0.2904, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **67.6316, 0.2792, 0.3183**, and if you desaturate by 10%, it is **78.6295, 0.3095, 0.3281**.

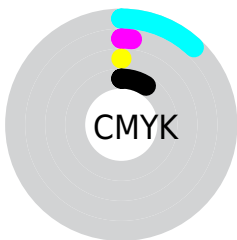
Distribution



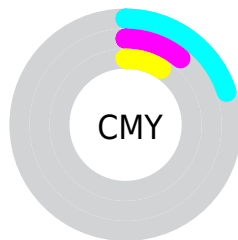
- Red (80%)
- Green (89%)
- Blue (91%)



- Red (80%)
- Yellow (85%)
- Blue (91%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8587, 0.2941, 0.3234 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 72.8587, 0.2941, 0.3234 by changing the saturation by 10% instead.

■ 72.8587, 0.2941,
0.3234

■ 72.8587, 0.2941,
0.3234

470.5249, 0.3027,
0.3261

■ 53.8604, 0.2922,
0.3228

123.2766, 0.2971,
0.3243

■ 38.4901, 0.2897,
0.3220

155.4650, 0.2982,
0.3247

■ 26.3633, 0.2867,
0.3210

192.8189, 0.2992,
0.3250

■ 17.0956, 0.2827,
0.3197

235.7228, 0.3001,
0.3253

■ 10.3027, 0.2774,
0.3178

284.5609, 0.3009,
0.3255

■ 5.6001, 0.2696,
0.3151

339.7177, 0.3015,

■ 2.6035, 0.2576,

0.3257

0.3106

401.5776, 0.3021,
0.3259

■ 0.9284, 0.2350,
0.3025

■ 0.0000, 0.0000,
0.0000

■ 72.8587, 0.2941,
0.3234

■ 72.8587, 0.2941,
0.3234

■ 67.6316, 0.2792,
0.3183

■ 78.6295, 0.3095,
0.3281

■ 62.9173, 0.2650,
0.3128

■ 84.9553, 0.3250,
0.3323

■ 58.6957, 0.2518,
0.3069

■ 88.4184, 0.3285,
0.3363

■ 54.9416, 0.2400,
0.3008

■ 90.8620, 0.3281,
0.3403

■ 51.6272, 0.2298,
0.2944

■ 93.3615, 0.3276,
0.3443

■ 48.7216, 0.2215,
0.2879

■ 95.9171, 0.3272,
0.3483

■ 46.1893, 0.2152,
0.2814

■ 98.5293, 0.3268,
0.3522

■ 43.9874, 0.2107,
0.2749

■ 98.5497, 0.3268,
0.3522

■ 42.4282, 0.2083,
0.2698

Harmonies

Analogous

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



72.8587, 0.2990, 0.3325



72.8587, 0.2941, 0.3234



72.8587, 0.2941, 0.3161

Triad

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



72.8587, 0.2941, 0.3234



72.8587, 0.3177, 0.3177



72.8587, 0.3265, 0.3460

Complementary

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



72.8587, 0.2941, 0.3234



66.4420, 0.3339, 0.3345

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.



72.8587, 0.3317, 0.3417



72.8587, 0.2941, 0.3234



72.8587, 0.3265, 0.3254

Square

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



72.8587, 0.2941, 0.3234



72.8587, 0.3075, 0.3130



72.8587, 0.3317, 0.3341



72.8587, 0.3177, 0.3457

Rectangle

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



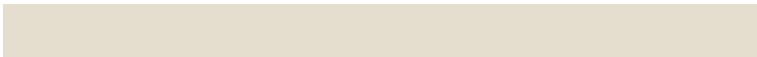
72.8587, 0.2941, 0.3234



72.8587, 0.2968, 0.3131



72.8587, 0.3317, 0.3341



72.8587, 0.3288, 0.3450

Sweetspot

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



72.8617, 0.2941, 0.3234



96.9559, 0.3065, 0.3272



74.3960, 0.3083, 0.3553



20.6327, 0.3053, 0.3269



0.0000, 0.0000, 0.0000



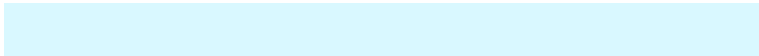
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8617, 0.2941, 0.3234



89.1582, 0.2896, 0.3219



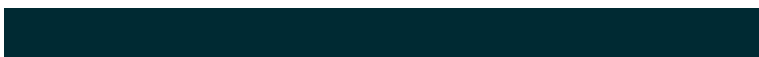
65.7421, 0.2938, 0.3080



15.8740, 0.2981, 0.3247



23.9515, 0.2086, 0.2709



1.8851, 0.2112, 0.2802

Inverse Universe

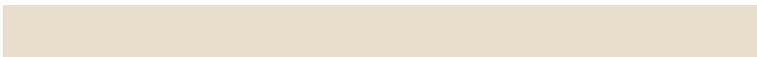
The Inverse Universe completely reimagines the original color for something new.



65.2135, 0.3177, 0.3044



77.5433, 0.3190, 0.2982



73.3781, 0.3320, 0.3491



14.5686, 0.3165, 0.3099



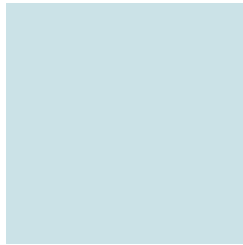
11.6156, 0.3720, 0.1823



0.8700, 0.3632, 0.1775

Previews

White Background



This preview shows how the Yxy color 72.8587, 0.2941, 0.3234 looks on a white background.

Color Contrast Check

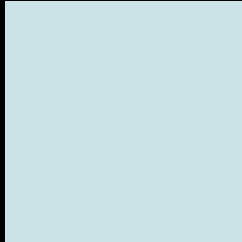
Large Text (above 18pt) WCAG AA × Fail

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 72.8587, 0.2941, 0.3234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

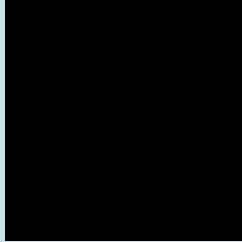
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

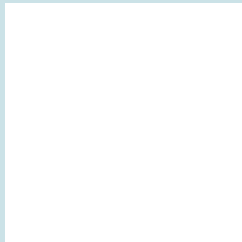
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8587, 0.2941, 0.3234

Background



This preview shows how black text looks on a background with the Yxy color 72.8587, 0.2941, 0.3234.

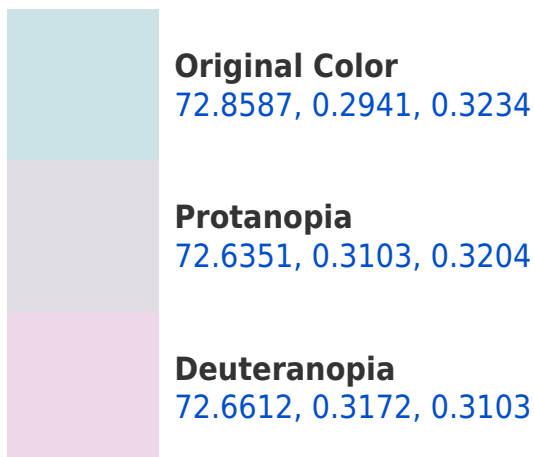


This preview shows how white text looks on a background with the Yxy color 72.8587, 0.2941, 0.3234.

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

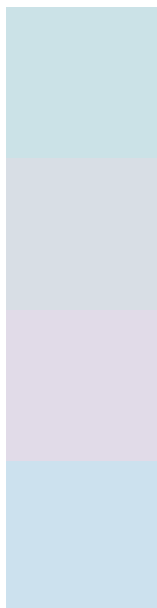




Tritanopia

72.7012, 0.2887, 0.3093

Trichromacy



Original Color

72.8587, 0.2941, 0.3234

Protanomaly

72.4986, 0.3040, 0.3214

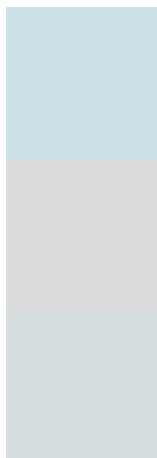
Deuteranomaly

72.4968, 0.3084, 0.3151

Tritanomaly

72.8608, 0.2905, 0.3147

Monochromacy



Original Color

72.8587, 0.2941, 0.3234

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.9205, 0.3058, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8587, 0.2941, 0.3234 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(203, 226, 231)` looks like.

```
.text, #text, p{  
    color:rgb(203, 226, 231)  
}
```

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(203, 226, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 226, 231) }
```

Border

The CSS property to change the border of an element to Yxy 72.8587, 0.2941, 0.3234 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(203, 226, 231) }
```

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

```
.border{ border-color:rgb(203, 226, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 226, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 226, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 226, 231);  
box-shadow:4px 4px 4px 4px rgb(203, 226,  
231) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.8587, 0.2941, 0.3234$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 226, 231) }
```

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

```
.background{ background-color: rgb(203,  
226, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor