

Converting Colors

$Yxy(83.1589, 0.2973, 0.3289)$

Have a look what the booklet for
Yxy(83.1589, 0.2973, 0.3289)
contains.

Yxy(83.2104, 0.2973, 0.3290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.2104, 0.2973, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	D8F0F0
RGB	216, 240, 240
RGB Percent	85%, 94%, 94%
CMY	0.1531, 0.0587, 0.0589
CMYK	0.10, 0.00, 0.00, 0.06
HSL	180°, 45%, 89%
HSV	180°, 10%, 94%
XYZ	75.1929, 83.2104, 94.5159
YIQ	232.8240, -14.3040, -5.0880

Conversions

Conversions Part 2

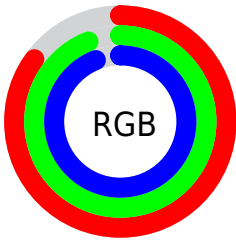
Format	Color
R _Y B	216, 228, 240
Decimal	14217456
CIE Lab	93.11, -7.85, -2.67
CIE LCh	93, 8.295, 198.783
Yxy	83.2104, 0.2973, 0.3290
Android (android.graphics.Color)	4292407536 (0xFFD8F0F0)
YUV	232.8240, 3.5378, -14.7546
Hunter-Lab	91.2197, -12.4961, 2.4214

Details

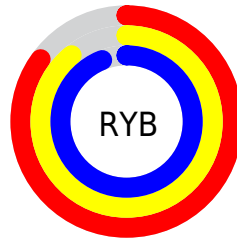
The Yxy color **83.2104, 0.2973, 0.3290** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5732, 0.3304, 0.3290**, and the grayscale version is **81.3225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3187, 0.2939, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **79.8195, 0.2828, 0.3290**, and if you desaturate by 10%, it is **87.1422, 0.3127, 0.3290**.

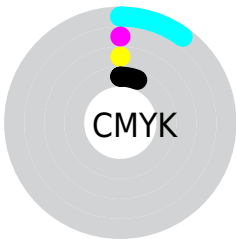
Distribution



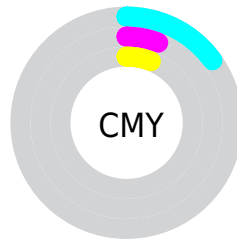
- Red (85%)
- Green (94%)
- Blue (94%)



- Red (85%)
- Yellow (89%)
- Blue (94%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)





- Cyan (15%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2104, 0.2973, 0.3290 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 83.2104, 0.2973, 0.3290 by changing the saturation by 10% instead.

 83.2104, 0.2973,
0.3290

 83.2104, 0.2973,
0.3290

505.6875, 0.3042,
0.3290

 62.3637, 0.2958,
0.3290

137.8701, 0.2997,
0.3290

 45.3267, 0.2939,
0.3290


172.4519, 0.3006,
0.3290

 31.7148, 0.2915,
0.3289


212.3809, 0.3014,
0.3290

 21.1438, 0.2885,
0.3288

258.0415, 0.3021,
0.3290

 13.2291, 0.2844,
0.3287

309.8181, 0.3027,
0.3290

 7.5865, 0.2788,
0.3285

368.0950, 0.3033,

 3.8315, 0.2703,

0.3290

433.2566, 0.3038,
0.3290

0.3282

■ 1.5798, 0.2563,
0.3273

■ 0.3439, 0.1299,
0.3306

■ 83.2104, 0.2973,
0.3290

■ 83.2104, 0.2973,
0.3290

■ 79.8195, 0.2828,
0.3290

■ 87.1422, 0.3127,
0.3290

■ 76.9360, 0.2695,
0.3290

■ 89.8878, 0.3226,
0.3290


■ 74.5386, 0.2576,
0.3291


■ 89.8905, 0.3226,
0.3289

■ 72.6006, 0.2475,
0.3291

■ 89.8932, 0.3225,
0.3289

 71.0925, 0.2392,
0.3291

 89.8959, 0.3225,
0.3289


 69.9816, 0.2329,
0.3292

 89.8987, 0.3225,
0.3288


 69.2304, 0.2285,
0.3292

 89.9014, 0.3225,
0.3288

 68.7942, 0.2260,
0.3293

 89.9041, 0.3224,
0.3287

 68.5982, 0.2248,
0.3293

 89.9068, 0.3224,
0.3287

Harmonies

Analogous

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



83.2104, 0.3044, 0.3375



83.2104, 0.2973, 0.3290



83.2104, 0.2943, 0.3207

Triad

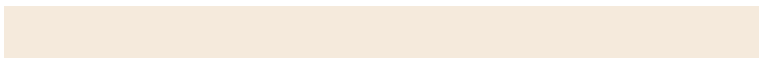
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2104, 0.2973, 0.3290



83.2104, 0.3114, 0.3149



83.2104, 0.3296, 0.3432

Complementary

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



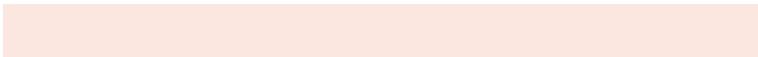
83.2104, 0.2973, 0.3290



72.5732, 0.3304, 0.3290

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.



83.2104, 0.3315, 0.3369



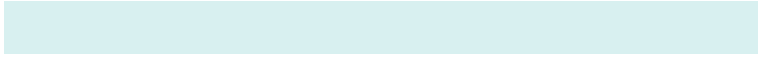
83.2104, 0.2973, 0.3290



83.2104, 0.3210, 0.3207

Square

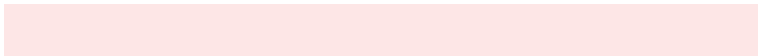
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2104, 0.2973, 0.3290



83.2104, 0.3023, 0.3127



83.2104, 0.3284, 0.3287



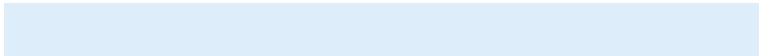
83.2104, 0.3230, 0.3457

Rectangle

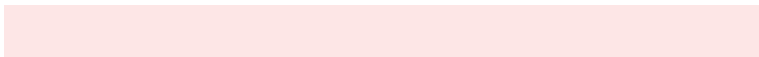
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



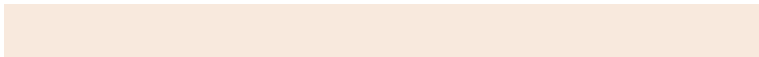
83.2104, 0.2973, 0.3290



83.2104, 0.2950, 0.3163



83.2104, 0.3284, 0.3287



83.2104, 0.3308, 0.3414

Sweetspot

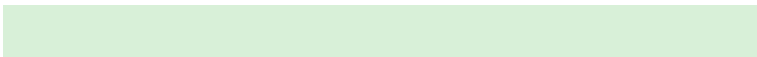
The Sweet Spot groups the original color and five complimentary colors.



83.2139, 0.2973, 0.3290



98.5769, 0.3080, 0.3290



81.9406, 0.3118, 0.3549



21.0202, 0.3068, 0.3290



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.



83.2139, 0.2973, 0.3290



94.6476, 0.2943, 0.3290



76.5841, 0.2971, 0.3166



17.9285, 0.2981, 0.3290



37.5444, 0.2248, 0.3293



3.1235, 0.2248, 0.3292

Inverse Universe

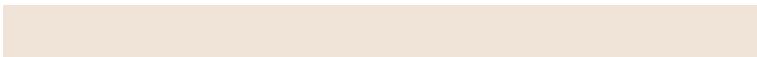
The Inverse Universe completely reimagines the original color for something new.



72.5732, 0.3304, 0.3290



80.1933, 0.3345, 0.3290



78.7429, 0.3291, 0.3411



15.7593, 0.3293, 0.3290



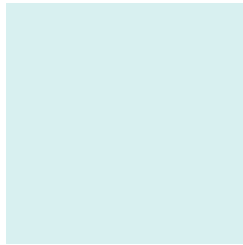
10.1418, 0.6399, 0.3299



0.8439, 0.6393, 0.3296

Previews

White Background



This preview shows how the Yxy color 83.2104, 0.2973, 0.3290 looks on a white background.

Color Contrast Check

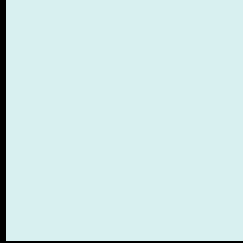
Large Text (above 18pt) WCAG AA × Fail

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 83.2104, 0.2973, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

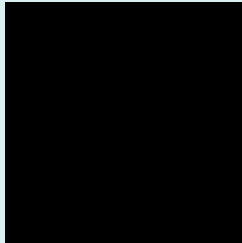
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

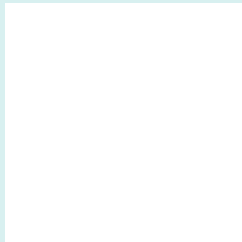
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2104, 0.2973, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 83.2104, 0.2973, 0.3290.

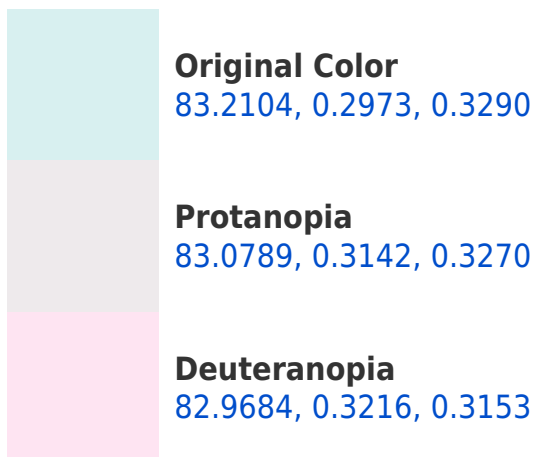


This preview shows how white text looks on a background with the Yxy color 83.2104, 0.2973, 0.3290.

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

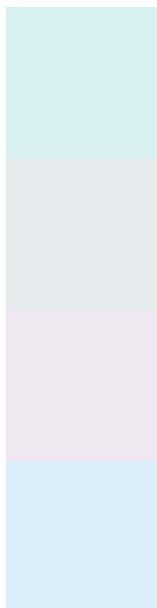




Tritanopia

83.0040, 0.2912, 0.3104

Trichromacy



Original Color

83.2104, 0.2973, 0.3290

Protanomaly

82.9283, 0.3081, 0.3280

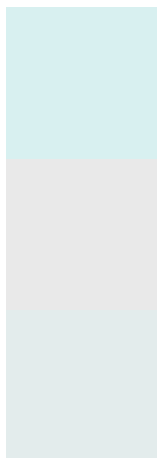
Deuteranomaly

82.5894, 0.3125, 0.3199

Tritanomaly

83.1113, 0.2934, 0.3165

Monochromacy



Original Color

83.2104, 0.2973, 0.3290

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.3779, 0.3068, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2104, 0.2973, 0.3290 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(216, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(216, 240, 240)  
}
```

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(216, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 240, 240) }
```

Border

The CSS property to change the border of an element to Yxy 83.2104, 0.2973, 0.3290 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(216, 240, 240) }
```

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

```
.border{ border-color:rgb(216, 240, 240) }
```

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

Here you see how a box with a 4 pixel rgb(216, 240, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(216, 240,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2104, 0.2973, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 240, 240) }
```

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

```
.background{ background-color: rgb(216,  
240, 240) }
```

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