

# Converting Colors

$Y_{xy}(100.0000, 0.3001, 0.3272)$

Have a look what the booklet for  
Yxy(100.0000, 0.3001, 0.3272)  
contains.

<b>Yxy(97.0907, 0.3029, 0.3290)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(97.0907, 0.3029, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFFF
RGB	239, 255, 255
RGB Percent	94%, 100%, 100%
CMY	0.0630, 0.0000, 0.0000
CMYK	0.06, 0.00, 0.00, 0.00
HSL	180°, 100%, 97%
HSV	180°, 6%, 100%
XYZ	89.3884, 97.0907, 108.6294
YIQ	250.2160, -9.5360, -3.3920

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 247, 255
Decimal	15728639
CIE <sub>Lab</sub>	98.86, -5.23, -1.80
CIE <sub>LCh</sub>	99, 5.532, 199.025
Y <sub>xy</sub>	97.0907, 0.3029, 0.3290
Android (android.graphics.Color)	4293918719 (0xFFEFFFFF)
Y <sub>UV</sub>	250.2160, 2.3585, -9.8364
Hunter-Lab	98.5346, -10.5044, 3.6100

# Details

The Yxy color 97.0907, 0.3029, 0.3290 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.1827, 0.3234, 0.3290, and the grayscale version is 95.7533, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.5327, 0.3011, 0.3290 is the 20% darker color. If you saturate the color by 10%, you get 92.9499, 0.2880, 0.3289, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



- Red (94%)
- Green (100%)
- Blue (100%)



- Red (94%)
- Yellow (97%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.0907, 0.3029, 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 97.0907, 0.3029, 0.3290 by changing the saturation by 10% instead.




 97.0907, 0.3029,  
0.3290

 97.0907, 0.3029,  
0.3290


550.8367, 0.3072,  
0.3290

 73.8763, 0.3020,  
0.3290


157.1498, 0.3044,  
0.3290

 54.6928, 0.3008,  
0.3290


194.7634, 0.3049,  
0.3290

 39.1558, 0.2994,  
0.3290


237.9454, 0.3054,  
0.3290

 26.8810, 0.2977,  
0.3289

287.0803, 0.3059,  
0.3290

 17.4838, 0.2954,  
0.3289

342.5525, 0.3063,  
0.3290

 10.5801, 0.2923,  
0.3288

404.7463, 0.3066,

 5.7852, 0.2878,

0.3290

0.3287

474.0463, 0.3069,  
0.3290

■ 2.7149, 0.2807,  
0.3285

■ 0.9848, 0.2681,  
0.3279

■ 97.0907, 0.3029,  
0.3290

■ 97.0907, 0.3029,  
0.3290

■ 92.9499, 0.2880,  
0.3289

100.0000, 0.3127,  
0.3290

■ 89.4211, 0.2741,  
0.3289

■ 86.4643, 0.2617,  
0.3289

■ 84.0495, 0.2508,  
0.3289

■ 82.1437, 0.2419,  
0.3289

■ 80.7105, 0.2348,  
0.3289

■ 79.7088, 0.2297,  
0.3289

■ 79.0900, 0.2266,  
0.3289

■ 78.7940, 0.2250,  
0.3289

# Harmonies

## Analogous

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



97.0907, 0.3074, 0.3343



97.0907, 0.3029, 0.3290



97.0907, 0.3010, 0.3237

# Triad

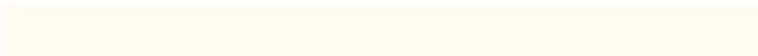
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.0907, 0.3029, 0.3290



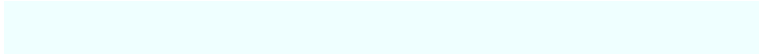
97.0907, 0.3120, 0.3201



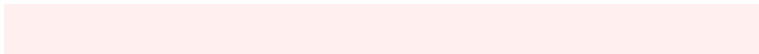
97.0907, 0.3234, 0.3380

# Complementary

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



97.0907, 0.3029, 0.3290



89.1827, 0.3234, 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.



97.0907, 0.3246, 0.3341



97.0907, 0.3029, 0.3290



97.0907, 0.3180, 0.3238

# Square

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



97.0907, 0.3029, 0.3290



97.0907, 0.3062, 0.3186



97.0907, 0.3226, 0.3289

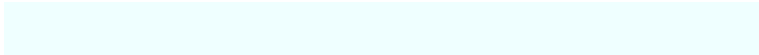


97.0907, 0.3192, 0.3396

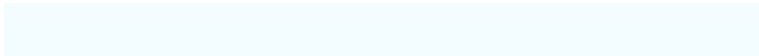


# Rectangle

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



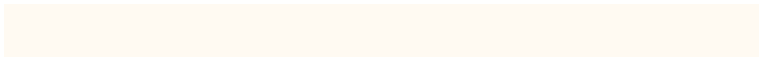
97.0907, 0.3029, 0.3290



97.0907, 0.3014, 0.3210



97.0907, 0.3226, 0.3289



97.0907, 0.3241, 0.3370

# Sweetspot

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



97.0787, 0.3029, 0.3290



99.0454, 0.3096, 0.3290



96.1339, 0.3121, 0.3449



21.2098, 0.3097, 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.



97.0787, 0.3029, 0.3290



96.3336, 0.3003, 0.3290



92.2243, 0.3030, 0.3213



20.4814, 0.2980, 0.3290



41.1397, 0.2247, 0.3289



4.0057, 0.2247, 0.3289



# Inverse Universe

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



89.1827, 0.3234, 0.3290



86.4234, 0.3266, 0.3290



93.8257, 0.3228, 0.3366



17.9872, 0.3295, 0.3290



11.1090, 0.6400, 0.3299



1.0817, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 97.0907, 0.3029, 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 97.0907, 0.3029, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

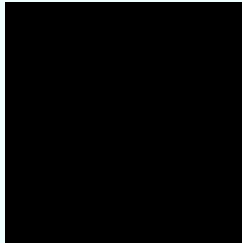
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.0907, 0.3029, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.0907, 0.3029, 0.3290.

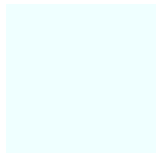


This preview shows how white text looks on a background with the Yxy color 97.0907, 0.3029, 0.3290.

# 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



### Original Color

97.0907, 0.3029, 0.3290



### Protanopia

96.6595, 0.3147, 0.3271

### Deuteranopia

96.6595, 0.3147, 0.3271

## Tritanopia

97.1648, 0.3097, 0.3261

# Trichromacy



**Original Color**

97.0907, 0.3029, 0.3290

**Protanomaly**

96.8524, 0.3103, 0.3280

**Deuteranomaly**

96.8524, 0.3103, 0.3280

**Tritanomaly**

97.0634, 0.3072, 0.3271

# Monochromacy



**Original Color**

97.0907, 0.3029, 0.3290

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.2419, 0.3090, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  97.0907, 0.3029, 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(239, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 255)  
}
```

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(239, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 97.0907, 0.3029, 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(239, 255, 255) }
```

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

```
.border{ border-color:rgb(239, 255, 255) }
```

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

Here you see how a box with a 4 pixel rgb(239, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.0907, 0.3029, 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(239, 255, 255) }
```

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

```
.background{ background-color: rgb(239,  
255, 255) }
```

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