

Converting Colors

$Yxy(73.0785, 0.2913, 0.3235)$

Have a look what the booklet for
Yxy(73.0785, 0.2913, 0.3235)
contains.

Yxy(73.0437, 0.2916, 0.3234)	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(73.0437, 0.2916, 0.3234)

Conversions

Conversions Part 1

Format	Color
Hex	C8E3E8
RGB	200, 227, 232
RGB Percent	78%, 89%, 91%
CMY	0.2155, 0.1098, 0.0903
CMYK	0.14, 0.02, 0.00, 0.09
HSL	189°, 41%, 85%
HSV	189°, 14%, 91%
XYZ	65.8613, 73.0437, 86.9568
YIQ	219.4970, -17.6970, -4.1690

Conversions

Conversions Part 2

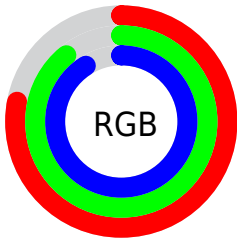
Format	Color
R _Y B	200, 215, 232
Decimal	13165544
CIE Lab	88.47, -7.84, -5.44
CIE LCh	88, 9.544, 214.743
Yxy	73.0437, 0.2916, 0.3234
Android (android.graphics.Color)	4291355624 (0xFFC8E3E8)
YUV	219.4970, 6.1640, -17.0989
Hunter-Lab	85.4656, -12.0096, -0.4985

Details

The Yxy color **73.0437, 0.2916, 0.3234** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.0058, 0.3373, 0.3345**, and the grayscale version is **71.1736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.7506, 0.2872, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **68.1291, 0.2769, 0.3189**, and if you desaturate by 10%, it is **78.4908, 0.3069, 0.3275**.

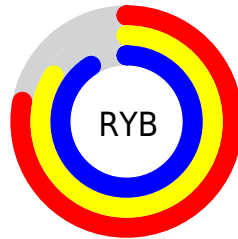
Distribution



Red (78%)

Green (89%)

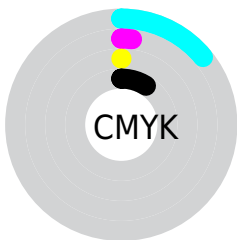
Blue (91%)



Red (78%)

Yellow (84%)

Blue (91%)

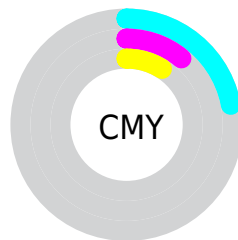


Cyan (14%)

Magenta (2%)

Yellow (0%)

Black (9%)



Cyan (22%)

Magenta (11%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0437, 0.2916, 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 73.0437, 0.2916, 0.3234 by changing the saturation by 10% instead.

■ 73.0437, 0.2916,
0.3234

■ 73.0437, 0.2916,
0.3234

471.1663, 0.3013,
0.3261

■ 54.0117, 0.2894,
0.3228

123.5392, 0.2950,
0.3243

■ 38.6110, 0.2867,
0.3220

155.7716, 0.2963,
0.3247

■ 26.4573, 0.2832,
0.3210

193.1728, 0.2974,
0.3250

■ 17.1660, 0.2788,
0.3196

236.1273, 0.2984,
0.3253

■ 10.3529, 0.2727,
0.3177

285.0195, 0.2992,
0.3255

■ 5.6336, 0.2640,
0.3149

340.2338, 0.3000,

■ 2.6236, 0.2506,

0.3257

0.3102

402.1546, 0.3007,
0.3259

■ 0.9385, 0.2251,
0.3019

■ 0.0000, 0.0000,
0.0000

■ 73.0437, 0.2916,
0.3234

■ 73.0437, 0.2916,
0.3234

■ 68.1291, 0.2769,
0.3189

■ 78.4908, 0.3069,
0.3275

■ 63.7158, 0.2630,
0.3141

■ 84.4818, 0.3224,
0.3313

■ 59.7831, 0.2502,
0.3089

■ 88.1551, 0.3279,
0.3348

■ 56.3054, 0.2390,
0.3035

■ 90.2845, 0.3275,
0.3384

■ 53.2544, 0.2294,
0.2980

■ 92.4567, 0.3272,
0.3419

■ 50.5981, 0.2217,
0.2924

■ 94.6718, 0.3268,
0.3453

■ 48.2999, 0.2160,
0.2868

■ 96.9301, 0.3265,
0.3488

■ 46.3150, 0.2122,
0.2812

■ 98.6052, 0.3262,
0.3513

■ 45.1926, 0.2105,
0.2778

Harmonies

Analogous

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



73.0437, 0.2977, 0.3339



73.0437, 0.2916, 0.3234



73.0437, 0.2910, 0.3147

Triad

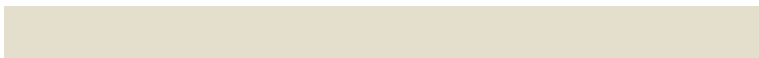
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.0437, 0.2916, 0.3234



73.0437, 0.3174, 0.3154



73.0437, 0.3293, 0.3483

Complementary

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



73.0437, 0.2916, 0.3234



65.0058, 0.3373, 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.



73.0437, 0.3349, 0.3429



73.0437, 0.2916, 0.3234



73.0437, 0.3279, 0.3240

Square

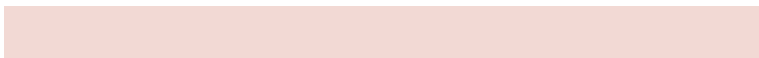
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0437, 0.2916, 0.3234



73.0437, 0.3057, 0.3103



73.0437, 0.3343, 0.3340



73.0437, 0.3194, 0.3485

Rectangle

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



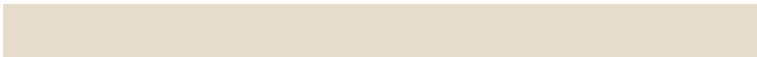
73.0437, 0.2916, 0.3234



73.0437, 0.2939, 0.3110



73.0437, 0.3343, 0.3340



73.0437, 0.3318, 0.3470

Sweetspot

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



73.0467, 0.2916, 0.3234



97.1043, 0.3065, 0.3274



74.3893, 0.3081, 0.3598



20.6704, 0.3053, 0.3271



0.0000, 0.0000, 0.0000



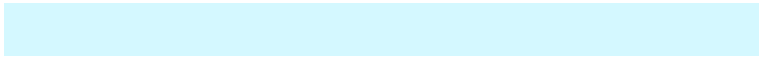
21.4041, 0.3127, 0.3290

Same Dimension

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



73.0467, 0.2916, 0.3234



88.4411, 0.2866, 0.3219



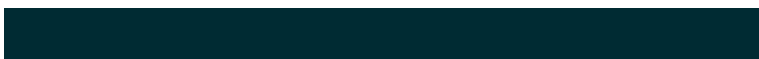
64.8126, 0.2911, 0.3055



15.9328, 0.2981, 0.3252



25.2461, 0.2108, 0.2787



1.9693, 0.2130, 0.2868

Inverse Universe

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



64.0304, 0.3179, 0.3002



74.9637, 0.3193, 0.2931



72.9356, 0.3349, 0.3514



14.5745, 0.3162, 0.3094



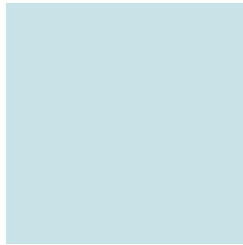
11.7463, 0.3647, 0.1783



0.8785, 0.3573, 0.1742

Previews

White Background



This preview shows how the Yxy color 73.0437, 0.2916, 0.3234 looks on a white background.

Color Contrast Check

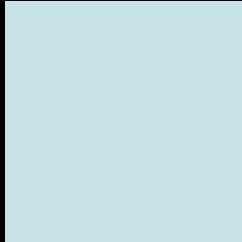
Large Text (above 18pt) WCAG AA × Fail

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 73.0437, 0.2916, 0.3234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

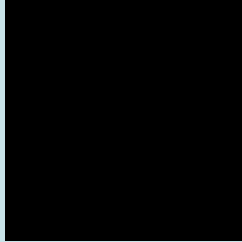
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

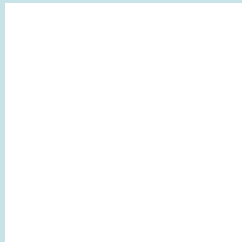
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.0437, 0.2916, 0.3234

Background



This preview shows how black text looks on a background with the Yxy color 73.0437, 0.2916, 0.3234.

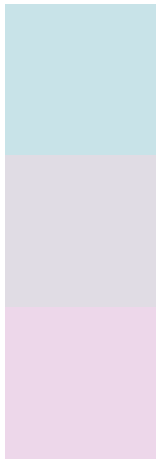


This preview shows how white text looks on a background with the Yxy color 73.0437, 0.2916, 0.3234.

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



Original Color

73.0437, 0.2916, 0.3234

Protanopia

72.6351, 0.3103, 0.3204

Deuteranopia

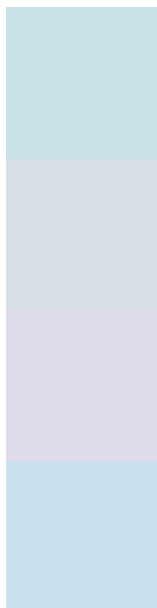
72.5459, 0.3158, 0.3093



Tritanopia

72.8780, 0.2863, 0.3093

Trichromacy



Original Color

73.0437, 0.2916, 0.3234

Protanomaly

72.8796, 0.3033, 0.3225

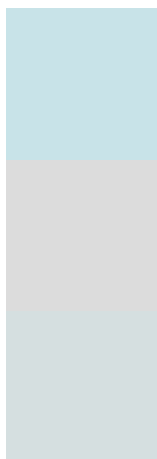
Deuteranomaly

72.3935, 0.3071, 0.3141

Tritanomaly

73.0422, 0.2880, 0.3146

Monochromacy



Original Color

73.0437, 0.2916, 0.3234

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.3033, 0.3051, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0437, 0.2916, 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(200, 227, 232)` looks like.

```
.text, #text, p{  
    color:rgb(200, 227, 232)  
}
```

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(200, 227, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 227, 232) }
```

Border

The CSS property to change the border of an element to Yxy 73.0437, 0.2916, 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(200, 227, 232) }
```

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

```
.border{ border-color:rgb(200, 227, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 227, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 227, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 227, 232);  
box-shadow:4px 4px 4px 4px rgb(200, 227,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 73.0437, 0.2916, 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(200, 227, 232) }
```

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

```
.background{ background-color: rgb(200,  
227, 232) }
```

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