

Converting Colors

Yxy(69.2352, 0.2959, 0.3129)

Have a look what the booklet for
Yxy(69.2352, 0.2959, 0.3129)
contains.

Yxy(69.2344, 0.2960, 0.3135)	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(69.2344, 0.2960, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	CFDAE8
RGB	207, 218, 232
RGB Percent	81%, 85%, 91%
CMY	0.1881, 0.1451, 0.0903
CMYK	0.11, 0.06, 0.00, 0.09
HSL	214°, 35%, 86%
HSV	214°, 11%, 91%
XYZ	65.3696, 69.2344, 86.2393
YIQ	216.3070, -11.0500, 2.0220

Conversions

Conversions Part 2

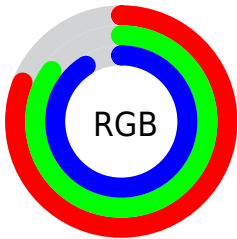
Format	Color
R_{YB}	207, 215, 232
Decimal	13621992
CIE _{Lab}	86.62, -0.98, -8.11
CIE _{LCh}	87, 8.173, 263.127
Yxy	69.2344, 0.2960, 0.3135
Android (android.graphics.Color)	4291812072 (0xFFCFDAE8)
YUV	216.3070, 7.7366, -8.1622
Hunter-Lab	83.2072, -5.3786, -3.2055

Details

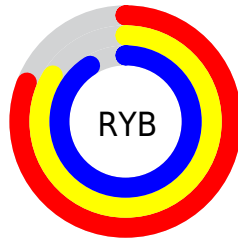
The Yxy color **69.2344, 0.2960, 0.3135** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.3645, 0.3301, 0.3440**, and the grayscale version is **68.8442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1013, 0.2927, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **59.6633, 0.2797, 0.2973**, and if you desaturate by 10%, it is **79.8300, 0.3116, 0.3280**.

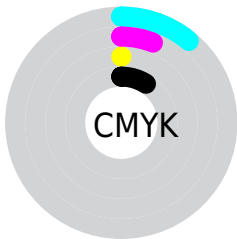
Distribution



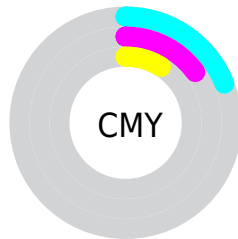
- Red (81%)
- Green (85%)
- Blue (91%)



- Red (81%)
- Yellow (84%)
- Blue (91%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (19%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2344, 0.2960, 0.3135 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 69.2344, 0.2960, 0.3135 by changing the saturation by 10% instead.

■ 69.2344, 0.2960,
0.3135

■ 69.2344, 0.2960,
0.3135

457.8573, 0.3038,
0.3207

■ 50.9026, 0.2942,
0.3118

118.1163, 0.2987,
0.3160

■ 36.1311, 0.2920,
0.3098

149.4352, 0.2998,
0.3170

■ 24.5355, 0.2892,
0.3071

185.8520, 0.3007,
0.3178

■ 15.7313, 0.2855,
0.3036

227.7510, 0.3015,
0.3186

■ 9.3342, 0.2804,
0.2989

275.5166, 0.3021,
0.3192

■ 4.9598, 0.2730,
0.2919

329.5333, 0.3028,

■ 2.2237, 0.2613,

0.3198

0.2807

390.1854, 0.3033,
0.3203

0.7329, 0.2378,
0.2591

0.0000, 0.0000,
0.0000

69.2344, 0.2960,
0.3135

69.2344, 0.2960,
0.3135

59.6633, 0.2797,
0.2973

79.8300, 0.3116,
0.3280

51.0747, 0.2629,
0.2795

91.4730, 0.3262,
0.3408

43.4360, 0.2459,
0.2600

98.6045, 0.3262,
0.3513

36.7096, 0.2293,
0.2392

■ 30.8548, 0.2135,
0.2176

■ 25.8271, 0.1993,
0.1956

■ 21.5769, 0.1872,
0.1739

■ 18.0472, 0.1777,
0.1534

■ 15.3467, 0.1711,
0.1359

Harmonies

Analogous

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



69.2344, 0.2934, 0.3192



69.2344, 0.2960, 0.3135



69.2344, 0.3031, 0.3120

Triad

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



69.2344, 0.2960, 0.3135



69.2344, 0.3299, 0.3300



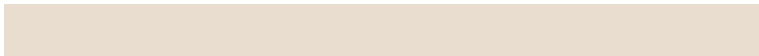
69.2344, 0.3124, 0.3437

Complementary

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



69.2344, 0.2960, 0.3135



73.3645, 0.3301, 0.3440

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.



69.2344, 0.3222, 0.3465



69.2344, 0.2960, 0.3135



69.2344, 0.3325, 0.3384

Square

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



69.2344, 0.2960, 0.3135



69.2344, 0.3227, 0.3215



69.2344, 0.3296, 0.3445



69.2344, 0.3027, 0.3367

Rectangle

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



69.2344, 0.2960, 0.3135



69.2344, 0.3094, 0.3135



69.2344, 0.3296, 0.3445



69.2344, 0.3158, 0.3452

Sweetspot

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



69.2373, 0.2960, 0.3135



95.8755, 0.3081, 0.3249



76.1721, 0.3030, 0.3414



20.2896, 0.3069, 0.3237



0.0000, 0.0000, 0.0000



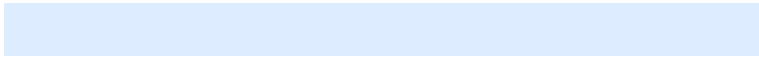
21.4041, 0.3127, 0.3290

Same Dimension

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



69.2373, 0.2960, 0.3135



82.9708, 0.2923, 0.3099



63.9097, 0.2967, 0.3012



14.9258, 0.2981, 0.3155



8.7638, 0.1719, 0.1388



0.8301, 0.1798, 0.1671

Inverse Universe

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



66.8492, 0.3238, 0.3172



79.5047, 0.3266, 0.3146



79.1458, 0.3278, 0.3556



14.4729, 0.3224, 0.3187



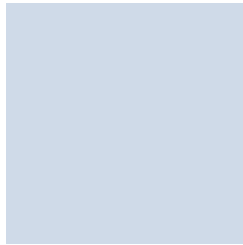
10.0824, 0.5206, 0.2642



0.7635, 0.4843, 0.2441

Previews

White Background



This preview shows how the Yxy color 69.2344, 0.2960, 0.3135 looks on a white background.

Color Contrast Check

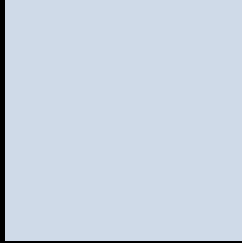
Large Text (above 18pt) WCAG AA × Fail

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 69.2344, 0.2960, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

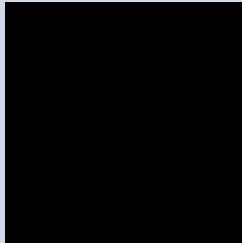
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

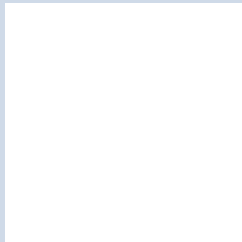
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.2344, 0.2960, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 69.2344, 0.2960, 0.3135.

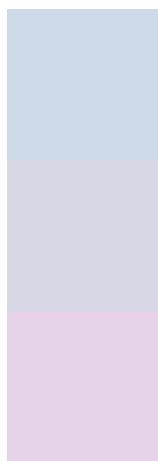


This preview shows how white text looks on a background with the Yxy color 69.2344, 0.2960, 0.3135.

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

69.2344, 0.2960, 0.3135

Protanopia

68.9130, 0.3035, 0.3126

Deuteranopia

68.7994, 0.3117, 0.3046



Tritanopia

69.5509, 0.2948, 0.3103

Trichromacy



Original Color

69.2344, 0.2960, 0.3135

Protanomaly

69.0274, 0.3007, 0.3125

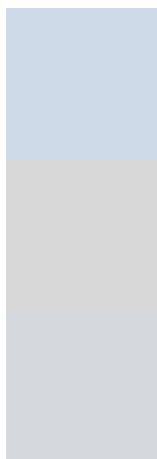
Deuteranomaly

69.0013, 0.3058, 0.3075

Tritanomaly

69.4932, 0.2954, 0.3113

Monochromacy



Original Color

69.2344, 0.2960, 0.3135

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.0458, 0.3065, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2344, 0.2960, 0.3135 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(207, 218, 232)` looks like.

```
.text, #text, p{  
    color:rgb(207, 218, 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(207, 218, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 218, 232) }
```

Border

The CSS property to change the border of an element to Yxy 69.2344, 0.2960, 0.3135 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(207, 218, 232) }
```

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

```
.border{ border-color:rgb(207, 218, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 218, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 218, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 218, 232);  
box-shadow:4px 4px 4px 4px rgb(207, 218,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2344, 0.2960, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 218, 232) }
```

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

```
.background{ background-color: rgb(207,  
218, 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