

Converting Colors

$Yxy(64.3016, 0.2917, 0.3032)$

Have a look what the booklet for
Yxy(64.3016, 0.2917, 0.3032)
contains.

Yxy(64.5329, 0.2917, 0.3031)	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(64.5329, 0.2917, 0.3031)

Conversions

Conversions Part 1

Format	Color
Hex	CAD2E9
RGB	202, 210, 233
RGB Percent	79%, 82%, 91%
CMY	0.2079, 0.1764, 0.0863
CMYK	0.13, 0.10, 0.00, 0.09
HSL	224°, 41%, 85%
HSV	224°, 13%, 91%
XYZ	62.1057, 64.5329, 86.2710
YIQ	210.2300, -12.1510, 5.4570

Conversions

Conversions Part 2

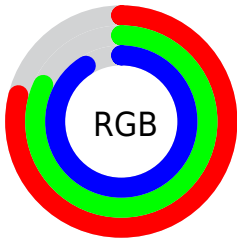
Format	Color
R _Y B	202, 208, 233
Decimal	13292265
CIE Lab	84.24, 1.80, -12.24
CIE LCh	84, 12.368, 278.362
Yxy	64.5329, 0.2917, 0.3031
Android (android.graphics.Color)	4291482345 (0xFFCAD2E9)
YUV	210.2300, 11.2256, -7.2177
Hunter-Lab	80.3324, -2.5816, -7.4404

Details

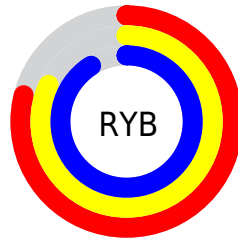
The Yxy color **64.5329, 0.2917, 0.3031** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.4149, 0.3338, 0.3536**, and the grayscale version is **64.5375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2472, 0.2870, 0.2979** is the 20% darker color. If you saturate the color by 10%, you get **53.4576, 0.2744, 0.2808**, and if you desaturate by 10%, it is **77.0238, 0.3077, 0.3229**.

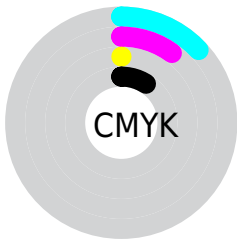
Distribution



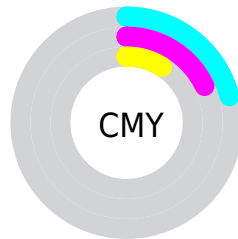
- Red (79%)
- Green (82%)
- Blue (91%)



- Red (79%)
- Yellow (82%)
- Blue (91%)



- Cyan (13%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (21%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5329, 0.2917, 0.3031 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 64.5329, 0.2917, 0.3031 by changing the saturation by 10% instead.

■ 64.5329, 0.2917,
0.3031

■ 64.5329, 0.2917,
0.3031

441.1115, 0.3016,
0.3153

■ 47.0824, 0.2894,
0.3003

111.3780, 0.2952,
0.3073

■ 33.1008, 0.2865,
0.2968

141.5415, 0.2965,
0.3090

■ 22.2037, 0.2828,
0.2923

176.7114, 0.2977,
0.3104

■ 14.0066, 0.2780,
0.2864

217.2722, 0.2987,
0.3116

■ 8.1253, 0.2712,
0.2783

263.6082, 0.2995,
0.3127

■ 4.1752, 0.2612,
0.2665

316.1038, 0.3003,

■ 1.7721, 0.2452,

0.3137

0.2475

375.1434, 0.3010,
0.3145

0.4697, 0.2055,
0.1969

0.0000, 0.0000,
0.0000

64.5329, 0.2917,
0.3031

64.5329, 0.2917,
0.3031

53.4576, 0.2744,
0.2808

77.0238, 0.3077,
0.3229

43.7388, 0.2562,
0.2562

90.9704, 0.3223,
0.3404

35.3251, 0.2373,
0.2297

98.6631, 0.3256,
0.3503

28.1586, 0.2186,
0.2017

■ 22.1768, 0.2007,
0.1734

■ 17.3112, 0.1849,
0.1461

■ 13.4857, 0.1719,
0.1212

■ 10.6128, 0.1624,
0.1001

■ 9.1538, 0.1579,
0.0884

Harmonies

Analogous

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



64.5329, 0.2840, 0.3085



64.5329, 0.2917, 0.3031



64.5329, 0.3051, 0.3044

Triad

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



64.5329, 0.2917, 0.3031



64.5329, 0.3425, 0.3372



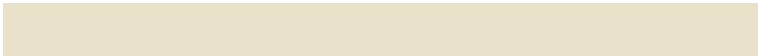
64.5329, 0.3042, 0.3470

Complementary

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



64.5329, 0.2917, 0.3031



75.4149, 0.3338, 0.3536

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.



64.5329, 0.3198, 0.3551



64.5329, 0.2917, 0.3031



64.5329, 0.3422, 0.3488

Square

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



64.5329, 0.2917, 0.3031



64.5329, 0.3346, 0.3238



64.5329, 0.3338, 0.3556



64.5329, 0.2911, 0.3339

Rectangle

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



64.5329, 0.2917, 0.3031



64.5329, 0.3155, 0.3089



64.5329, 0.3338, 0.3556



64.5329, 0.3093, 0.3505

Sweetspot

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



64.5356, 0.2917, 0.3031



93.3892, 0.3066, 0.3216



76.2509, 0.2973, 0.3381



19.7300, 0.3055, 0.3202



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.



64.5356, 0.2917, 0.3031



75.2732, 0.2870, 0.2972



61.6986, 0.2967, 0.2944



15.1834, 0.2980, 0.3110



5.3642, 0.1586, 0.0909



0.5729, 0.1659, 0.1172

Inverse Universe

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



64.2062, 0.3310, 0.3203



74.8782, 0.3355, 0.3184



78.6695, 0.3275, 0.3624



15.1181, 0.3252, 0.3229



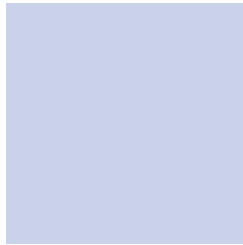
10.0343, 0.5898, 0.3023



0.8032, 0.5506, 0.2807

Previews

White Background



This preview shows how the Yxy color 64.5329, 0.2917, 0.3031 looks on a white background.

Color Contrast Check

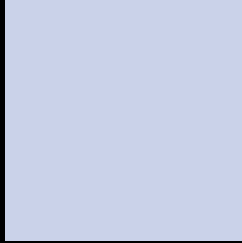
Large Text (above 18pt) WCAG AA × Fail

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 64.5329, 0.2917, 0.3031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

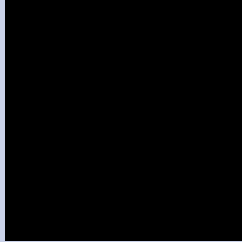
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5329, 0.2917, 0.3031

Background



This preview shows how black text looks on a background with the Yxy color 64.5329, 0.2917, 0.3031.

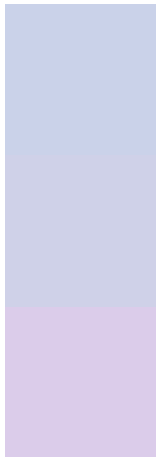


This preview shows how white text looks on a background with the Yxy color 64.5329, 0.2917, 0.3031.

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

64.5329, 0.2917, 0.3031

Protanopia

64.6925, 0.2958, 0.3033

Deuteranopia

64.1863, 0.3031, 0.2963



Tritanopia

64.6075, 0.2942, 0.3097

Trichromacy



Original Color

64.5329, 0.2917, 0.3031

Protanomaly

64.4063, 0.2944, 0.3032

Deuteranomaly

64.2293, 0.2988, 0.2981

Tritanomaly

64.7192, 0.2930, 0.3075

Monochromacy



Original Color

64.5329, 0.2917, 0.3031

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.4205, 0.3051, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5329, 0.2917, 0.3031 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(202, 210, 233)` looks like.

```
.text, #text, p{  
    color:rgb(202, 210, 233)  
}
```

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(202, 210, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 210, 233) }
```

Border

The CSS property to change the border of an element to Yxy 64.5329, 0.2917, 0.3031 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(202, 210, 233) }
```

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

```
.border{ border-color:rgb(202, 210, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 210, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 210, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 210, 233);  
box-shadow:4px 4px 4px 4px rgb(202, 210,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5329, 0.2917, 0.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 210, 233) }
```

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

```
.background{ background-color: rgb(202,  
210, 233) }
```

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](#).

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