

Converting Colors

Yxy(66.1169, 0.3062, 0.3106)

Have a look what the booklet for
Yxy(66.1169, 0.3062, 0.3106)
contains.

Yxy(66.1831, 0.3062, 0.3113)	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(66.1831, 0.3062, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	D8D2E2
RGB	216, 210, 226
RGB Percent	85%, 82%, 89%
CMY	0.1529, 0.1765, 0.1136
CMYK	0.04, 0.07, 0.00, 0.11
HSL	262°, 22%, 85%
HSV	262°, 7%, 89%
XYZ	65.0988, 66.1831, 81.3204
YIQ	213.6180, -1.5600, 6.2480

Conversions

Conversions Part 2

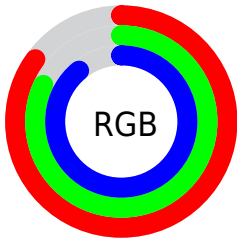
Format	Color
RYB	216, 210, 226
Decimal	14209762
CIELab	85.09, 5.01, -7.17
CIELCh	85, 8.742, 304.947
Yxy	66.1831, 0.3062, 0.3113
Android (android.graphics.Color)	4292399842 (0xFFD8D2E2)
YUV	213.6180, 6.1043, 2.0890
Hunter-Lab	81.3530, 0.4683, -2.3191

Details

The Yxy color **66.1831, 0.3062, 0.3113** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.2851, 0.3189, 0.3466**, and the grayscale version is **66.9377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.2943, 0.3041, 0.3073** is the 20% darker color. If you saturate the color by 10%, you get **53.7413, 0.2957, 0.2843**, and if you desaturate by 10%, it is **80.3920, 0.3152, 0.3359**.

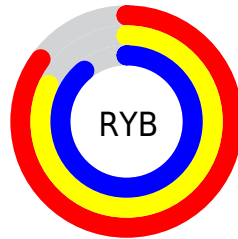
Distribution



Red (85%)

Green (82%)

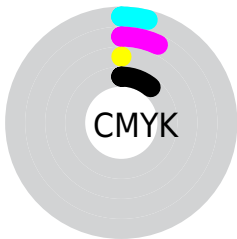
Blue (89%)



Red (85%)

Yellow (82%)

Blue (89%)

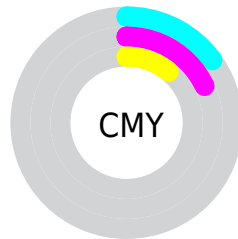


Cyan (4%)

Magenta (7%)

Yellow (0%)

Black (11%)



Cyan (15%)

Magenta (18%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1831, 0.3062, 0.3113 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 66.1831, 0.3062, 0.3113 by changing the saturation by 10% instead.

■ 66.1831, 0.3062,
0.3113

■ 66.1831, 0.3062,
0.3113

447.0314, 0.3093,
0.3196

■ 48.4211, 0.3055,
0.3094

113.7491, 0.3073,
0.3142

■ 34.1604, 0.3046,
0.3070

144.3218, 0.3077,
0.3153

■ 23.0169, 0.3034,
0.3040

179.9336, 0.3081,
0.3163

■ 14.6060, 0.3018,
0.3001

220.9687, 0.3084,
0.3171

■ 8.5433, 0.2996,
0.2947

267.8117, 0.3087,
0.3178

■ 4.4445, 0.2963,
0.2868

320.8469, 0.3089,

■ 1.9252, 0.2909,

0.3185

0.2742

380.4587, 0.3091,
0.3190

0.5635, 0.2807,
0.2404

0.0000, 0.0000,
0.0000

66.1831, 0.3062,
0.3113

66.1831, 0.3062,
0.3113

53.7413, 0.2957,
0.2843

80.3920, 0.3152,
0.3359

42.9877, 0.2837,
0.2550

96.2946, 0.3228,
0.3577

33.8500, 0.2702,
0.2241

98.2730, 0.3297,
0.3571

26.2472, 0.2554,
0.1926

■ 20.0913, 0.2396,
0.1619

■ 15.2847, 0.2237,
0.1335

■ 11.7177, 0.2083,
0.1094

■ 9.2619, 0.1943,
0.0910

■ 7.7515, 0.1824,
0.0789

Harmonies

Analogous

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



66.1831, 0.2971, 0.3110



66.1831, 0.3062, 0.3113



66.1831, 0.3172, 0.3162

Triad

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



66.1831, 0.3062, 0.3113



66.1831, 0.3336, 0.3422



66.1831, 0.2984, 0.3336

Complementary

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



66.1831, 0.3062, 0.3113



74.2851, 0.3189, 0.3466

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.



66.1831, 0.3080, 0.3424



66.1831, 0.3062, 0.3113



66.1831, 0.3284, 0.3473

Square

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



66.1831, 0.3062, 0.3113



66.1831, 0.3332, 0.3338



66.1831, 0.3190, 0.3475



66.1831, 0.2927, 0.3237

Rectangle

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



66.1831, 0.3062, 0.3113



66.1831, 0.3241, 0.3213



66.1831, 0.3190, 0.3475



66.1831, 0.3013, 0.3368

Sweetspot

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



66.1859, 0.3062, 0.3113



96.1894, 0.3109, 0.3241



70.4627, 0.3018, 0.3225



20.6284, 0.3110, 0.3244



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.



66.1859, 0.3062, 0.3113



83.6012, 0.3043, 0.3062



67.4164, 0.3120, 0.3116



13.4923, 0.3039, 0.3052



4.2895, 0.1809, 0.0770



0.3473, 0.1982, 0.0865

Inverse Universe

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



67.4356, 0.3177, 0.3181



85.6796, 0.3192, 0.3150



73.0831, 0.3134, 0.3468



13.8439, 0.3195, 0.3144



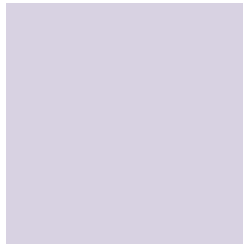
10.3498, 0.4433, 0.2216



0.7346, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 66.1831, 0.3062, 0.3113 looks on a white background.

Color Contrast Check

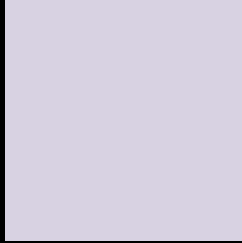
Large Text (above 18pt) WCAG AA × Fail

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 66.1831, 0.3062, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

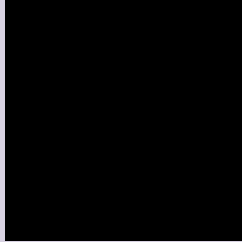
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

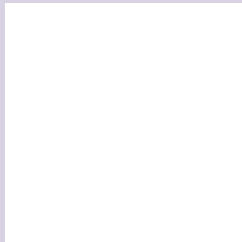
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.1831, 0.3062, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 66.1831, 0.3062, 0.3113.

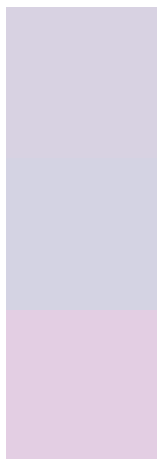


This preview shows how white text looks on a background with the Yxy color 66.1831, 0.3062, 0.3113.

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

66.1831, 0.3062, 0.3113

Protanopia

66.1316, 0.3027, 0.3112

Deuteranopia

66.0196, 0.3138, 0.3064



Tritanopia

66.1831, 0.3062, 0.3113

Trichromacy



Original Color

66.1831, 0.3062, 0.3113

Protanomaly

66.2807, 0.3034, 0.3113

Deuteranomaly

65.8597, 0.3108, 0.3073

Tritanomaly

66.1831, 0.3062, 0.3113

Monochromacy



Original Color

66.1831, 0.3062, 0.3113

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.0975, 0.3108, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1831, 0.3062, 0.3113 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, 210, 226)` looks like.

```
.text, #text, p{  
    color:rgb(216, 210, 226)  
}
```

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, 210, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 210, 226) }
```

Border

The CSS property to change the border of an element to Yxy 66.1831, 0.3062, 0.3113 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, 210, 226) }
```

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

```
.border{ border-color:rgb(216, 210, 226) }
```

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

Here you see how a box with a 4 pixel rgb(216, 210, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 210, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 210, 226);  
box-shadow:4px 4px 4px 4px rgb(216, 210,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1831, 0.3062, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 210, 226) }
```

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

```
.background{ background-color: rgb(216,  
210, 226) }
```

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