

Converting Colors

$Y_{xy}(31.8607, 0.2592, 0.3080)$

Have a look what the booklet for
Yxy(31.8607, 0.2592, 0.3080)
contains.

Yxy(31.8607, 0.2592, 0.3080)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.8607, 0.2592, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	6EA1AE
RGB	110, 161, 174
RGB Percent	43%, 63%, 68%
CMY	0.5687, 0.3686, 0.3177
CMYK	0.37, 0.07, 0.00, 0.32
HSL	192°, 28%, 56%
HSV	192°, 37%, 68%
XYZ	26.8126, 31.8607, 44.7705
YIQ	147.2330, -34.5690, -6.7690

Conversions

Conversions Part 2

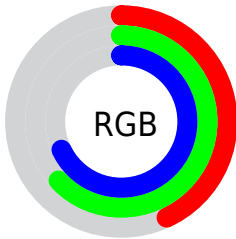
Format	Color
RYB	110, 138, 174
Decimal	7250350
CIELab	63.23, -13.58, -12.12
CIELCh	63, 18.201, 221.762
Yxy	31.8607, 0.2592, 0.3080
Android (android.graphics.Color)	4285440430 (0xFF6EA1AE)
YUV	147.2330, 13.1961, -32.6533
Hunter-Lab	56.4453, -13.9882, -7.5151

Details

The Yxy color **31.8607, 0.2592, 0.3080** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.2794, 0.3928, 0.3488**, and the grayscale version is **29.2335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6614, 0.2700, 0.3132**, and **13.2420, 0.2417, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **29.6379, 0.2465, 0.3013**, and if you desaturate by 10%, it is **34.3399, 0.2729, 0.3143**.

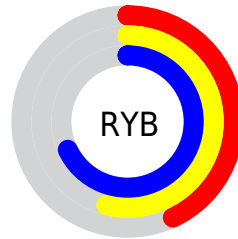
Distribution



Red (43%)

Green (63%)

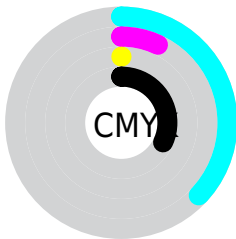
Blue (68%)



Red (43%)

Yellow (54%)

Blue (68%)

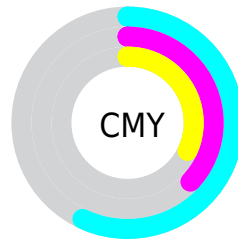


Cyan (37%)

Magenta (7%)

Yellow (0%)

Black (32%)



Cyan (57%)

Magenta (37%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8607, 0.2592, 0.3080 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 31.8607, 0.2592, 0.3080 by changing the saturation by 10% instead.


 31.8607, 0.2592,
0.3080


 31.8607, 0.2592,
0.3080


310.4842, 0.2871,
0.3196


 21.2551, 0.2518,
0.3047


 62.5926, 0.2696,
0.3125

 13.3106, 0.2422,
0.3002

 83.4878, 0.2735,
0.3141

 7.6428, 0.2289,
0.2937


 108.5816, 0.2767,
0.3154

 3.8672, 0.2098,
0.2837

 138.2585, 0.2794,
0.3166

 1.5996, 0.1798,
0.2664

172.9028, 0.2817,
0.3175

 0.3573, 0.0050,
0.2194

212.8989, 0.2838,

 0.0000, 0.0000,

0.3183

0.0000

258.6312, 0.2856,
0.3190

■ 31.8607, 0.2592,
0.3080

■ 31.8607, 0.2592,
0.3080

■ 29.6379, 0.2465,
0.3013

■ 34.3399, 0.2729,
0.3143

■ 27.6545, 0.2352,
0.2943

■ 37.0839, 0.2875,
0.3202

■ 25.8973, 0.2256,
0.2871

■ 40.1051, 0.3024,
0.3256

■ 24.3500, 0.2177,
0.2798

■ 43.4141, 0.3176,
0.3305

■ 22.9937, 0.2117,
0.2725

■ 47.0209, 0.3327,
0.3350

■ 21.8017, 0.2076,
0.2652

■ 50.9348, 0.3476,
0.3389

■ 21.4357, 0.2064,
0.2629

■ 55.1650, 0.3621,
0.3424

■ 59.7200, 0.3761,
0.3455

■ 62.3463, 0.3799,
0.3488

Harmonies

Analogous

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



31.8607, 0.2707, 0.3345



31.8607, 0.2592, 0.3080



31.8607, 0.2612, 0.2890

Triad

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



31.8607, 0.2592, 0.3080



31.8607, 0.3307, 0.3000



31.8607, 0.3490, 0.3794

Complementary

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



31.8607, 0.2592, 0.3080



24.2794, 0.3928, 0.3488

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.



31.8607, 0.3666, 0.3671



31.8607, 0.2592, 0.3080



31.8607, 0.3560, 0.3216

Square

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



31.8607, 0.2592, 0.3080



31.8607, 0.3013, 0.2855



31.8607, 0.3694, 0.3457



31.8607, 0.3220, 0.3776

Rectangle

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



31.8607, 0.2592, 0.3080



31.8607, 0.2699, 0.2825



31.8607, 0.3694, 0.3457



31.8607, 0.3562, 0.3767

Sweetspot

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



31.8620, 0.2592, 0.3080



70.2812, 0.2958, 0.3233



35.0039, 0.2983, 0.4156



15.4597, 0.2938, 0.3226



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.8620, 0.2592, 0.3080



54.5448, 0.2490, 0.3027



22.1199, 0.2516, 0.2536



8.7921, 0.2986, 0.3243



15.6367, 0.2066, 0.2637



0.5040, 0.2127, 0.2856

Inverse Universe

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



22.7200, 0.3320, 0.2560



36.0158, 0.3374, 0.2407



33.4929, 0.3760, 0.3942



8.1198, 0.3167, 0.3111



7.8816, 0.3789, 0.1861



0.2262, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 31.8607, 0.2592, 0.3080 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 31.8607, 0.2592, 0.3080 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 31.8607, 0.2592, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 31.8607, 0.2592, 0.3080.



This preview shows how white text looks on a background with the Yxy color 31.8607, 0.2592, 0.3080.

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

31.8607, 0.2592, 0.3080

Protanopia

31.5397, 0.2973, 0.3034

Deuteranopia

31.7371, 0.2941, 0.2881



Tritanopia

31.8607, 0.2592, 0.3080

Trichromacy



Original Color

31.8607, 0.2592, 0.3080

Protanomaly

31.5792, 0.2820, 0.3057

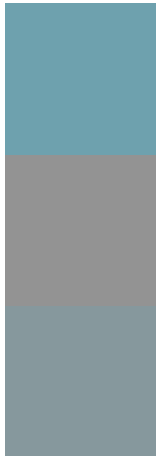
Deuteranomaly

31.4060, 0.2796, 0.2939

Tritanomaly

31.8607, 0.2592, 0.3080

Monochromacy



Original Color

31.8607, 0.2592, 0.3080

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9591, 0.2908, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8607, 0.2592, 0.3080 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(110, 161, 174)` looks like.

```
.text, #text, p{  
    color:rgb(110, 161, 174)  
}
```

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(110, 161, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 161, 174) }
```

Border

The CSS property to change the border of an element to Yxy 31.8607, 0.2592, 0.3080 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(110, 161, 174) }
```

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

```
.border{ border-color:rgb(110, 161, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 161, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 161, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 161, 174);  
box-shadow:4px 4px 4px 4px rgb(110, 161,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8607, 0.2592, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 161, 174) }
```

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

```
.background{ background-color: rgb(110,  
161, 174) }
```

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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