

Converting Colors

$Y_{xy}(31.0685, 0.2700, 0.3110)$

Have a look what the booklet for
Yxy(31.0685, 0.2700, 0.3110)
contains.

Yxy(30.9342, 0.2703, 0.3112)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9342, 0.2703, 0.3112)

Conversions

Conversions Part 1

Format	Color
Hex	789DA8
RGB	120, 157, 168
RGB Percent	47%, 62%, 66%
CMY	0.5295, 0.3843, 0.3412
CMYK	0.29, 0.07, 0.00, 0.34
HSL	194°, 22%, 56%
HSV	194°, 29%, 66%
XYZ	26.8686, 30.9342, 41.6001
YIQ	147.1910, -25.5830, -4.4230

Conversions

Conversions Part 2

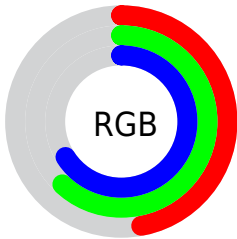
Format	Color
RYB	120, 141, 168
Decimal	7904680
CIELab	62.45, -10.01, -9.86
CIELCh	62, 14.049, 224.588
Yxy	30.9342, 0.2703, 0.3112
Android (android.graphics.Color)	4286094760 (0xFF789DA8)
YUV	147.1910, 10.2588, -23.8465
Hunter-Lab	55.6185, -11.1013, -5.4133

Details

The Yxy color **30.9342, 0.2703, 0.3112** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.9068, 0.3693, 0.3460**, and the grayscale version is **29.2246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2989, 0.2786, 0.3157**, and **12.8711, 0.2571, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **28.5568, 0.2565, 0.3040**, and if you desaturate by 10%, it is **33.5658, 0.2848, 0.3179**.

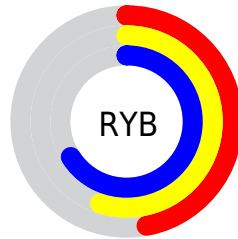
Distribution



Red (47%)

Green (62%)

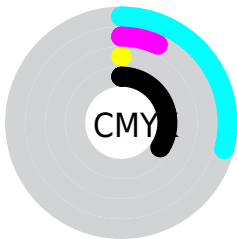
Blue (66%)



Red (47%)

Yellow (55%)

Blue (66%)

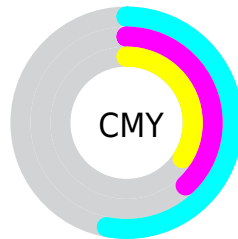


Cyan (29%)

Magenta (7%)

Yellow (0%)

Black (34%)



Cyan (53%)

Magenta (38%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9342, 0.2703, 0.3112 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 30.9342, 0.2703, 0.3112 by changing the saturation by 10% instead.

■ 30.9342, 0.2703,
0.3112

■ 30.9342, 0.2703,
0.3112

■ 306.2351, 0.2927,
0.3210

■ 20.5487, 0.2643,
0.3084

■ 61.1365, 0.2787,
0.3150

■ 12.7946, 0.2564,
0.3046

■ 81.7221, 0.2818,
0.3163

■ 7.2872, 0.2454,
0.2992

■ 106.4765, 0.2843,
0.3175

■ 3.6424, 0.2293,
0.2908

■ 135.7842, 0.2865,
0.3184

■ 1.4756, 0.2032,
0.2760

■ 170.0295, 0.2884,
0.3192

■ 0.2715, 0.0108,
0.2137

■ 209.5968, 0.2900,

■ 0.0000, 0.0000,

0.3199

0.0000

254.8705, 0.2914,
0.3205

■ 30.9342, 0.2703,
0.3112

■ 30.9342, 0.2703,
0.3112

■ 28.5568, 0.2565,
0.3040

■ 33.5658, 0.2848,
0.3179

■ 26.4185, 0.2438,
0.2963

■ 36.4584, 0.2998,
0.3241

■ 24.5081, 0.2325,
0.2883

■ 39.6233, 0.3149,
0.3298

■ 22.8120, 0.2227,
0.2801

■ 43.0697, 0.3299,
0.3348

■ 21.3147, 0.2148,
0.2717

■ 46.8064, 0.3447,
0.3394

■ 19.9983, 0.2088,
0.2634

■ 50.8420, 0.3590,
0.3434

■ 18.8301, 0.2045,
0.2551

■ 55.1846, 0.3729,
0.3469

■ 18.6698, 0.2039,
0.2539

■ 59.8417, 0.3861,
0.3500

■ 61.6212, 0.3853,
0.3539

Harmonies

Analogous

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



30.9342, 0.2786, 0.3315



30.9342, 0.2703, 0.3112



30.9342, 0.2729, 0.2968

Triad

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



30.9342, 0.2703, 0.3112



30.9342, 0.3289, 0.3076



30.9342, 0.3394, 0.3686

Complementary

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



30.9342, 0.2703, 0.3112



25.9068, 0.3693, 0.3460

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.



30.9342, 0.3539, 0.3603



30.9342, 0.2703, 0.3112



30.9342, 0.3479, 0.3252

Square

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



30.9342, 0.2703, 0.3112



30.9342, 0.3061, 0.2954



30.9342, 0.3571, 0.3442



30.9342, 0.3181, 0.3657

Rectangle

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



30.9342, 0.2703, 0.3112



30.9342, 0.2804, 0.2921



30.9342, 0.3571, 0.3442



30.9342, 0.3453, 0.3669

Sweetspot

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



30.9354, 0.2703, 0.3112



65.8392, 0.2989, 0.3238



33.6194, 0.3007, 0.3918



14.1842, 0.2968, 0.3229



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.9354, 0.2703, 0.3112



53.4752, 0.2619, 0.3069



23.7557, 0.2662, 0.2717



8.2365, 0.2987, 0.3237



14.1785, 0.2041, 0.2548



0.4146, 0.2117, 0.2820

Inverse Universe

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



24.1884, 0.3283, 0.2743



39.5526, 0.3324, 0.2626



32.9225, 0.3600, 0.3804



7.6368, 0.3171, 0.3118



7.5024, 0.3875, 0.1908



0.1896, 0.3616, 0.1766

Previews

White Background



This preview shows how the Yxy color 30.9342, 0.2703, 0.3112 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 30.9342, 0.2703, 0.3112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

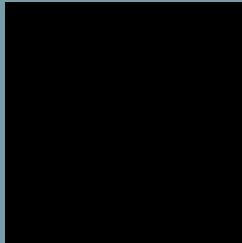
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

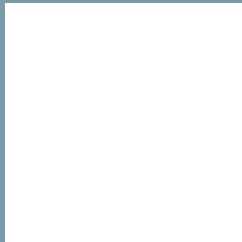
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9342, 0.2703, 0.3112

Background



This preview shows how black text looks on a background with the Yxy color 30.9342, 0.2703, 0.3112.

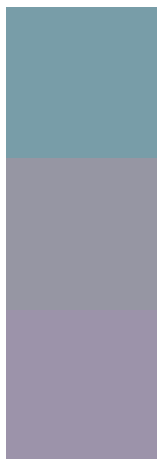


This preview shows how white text looks on a background with the Yxy color 30.9342, 0.2703, 0.3112.

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

30.9342, 0.2703, 0.3112

Protanopia

30.9411, 0.3007, 0.3092

Deuteranopia

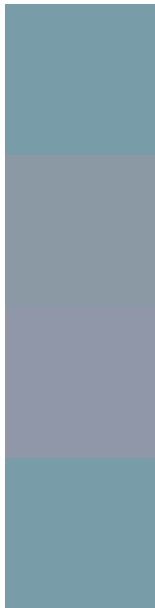
30.8376, 0.3003, 0.2949



Tritanopia

30.9716, 0.2696, 0.3096

Trichromacy



Original Color

30.9342, 0.2703, 0.3112

Protanomaly

30.9880, 0.2887, 0.3103

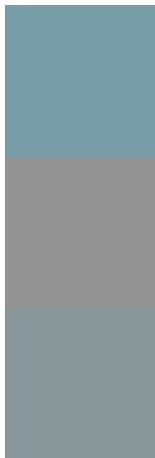
Deuteranomaly

30.8374, 0.2888, 0.3014

Tritanomaly

30.9716, 0.2696, 0.3096

Monochromacy



Original Color

30.9342, 0.2703, 0.3112

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.8181, 0.2953, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9342, 0.2703, 0.3112 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(120, 157, 168)` looks like.

```
.text, #text, p{  
    color:rgb(120, 157, 168)  
}
```

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(120, 157, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 157, 168) }
```

Border

The CSS property to change the border of an element to Yxy 30.9342, 0.2703, 0.3112 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(120, 157, 168) }
```

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

```
.border{ border-color:rgb(120, 157, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 157, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 157, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 157, 168);  
box-shadow:4px 4px 4px 4px rgb(120, 157,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9342, 0.2703, 0.3112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 157, 168) }
```

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

```
.background{ background-color: rgb(120,  
157, 168) }
```

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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