

Converting Colors

$Y_{xy}(31.6458, 0.2812, 0.3226)$

Have a look what the booklet for
Yxy(31.6458, 0.2812, 0.3226)
contains.

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Color

Yxy(31.5744, 0.2809, 0.3225)

Conversions

Conversions Part 1

Format	Color
Hex	7F9EA2
RGB	127, 158, 162
RGB Percent	50%, 62%, 64%
CMY	0.5019, 0.3804, 0.3647
CMYK	0.22, 0.02, 0.00, 0.36
HSL	187°, 16%, 57%
HSV	187°, 22%, 64%
XYZ	27.5015, 31.5744, 38.8292
YIQ	149.1870, -19.7600, -5.3280

Conversions

Conversions Part 2

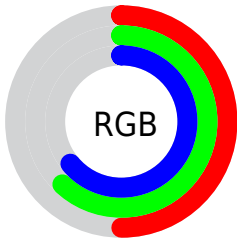
Format	Color
RYB	127, 143, 162
Decimal	8363682
CIELab	62.99, -9.77, -5.64
CIElCh	63, 11.277, 210.005
Yxy	31.5744, 0.2809, 0.3225
Android (android.graphics.Color)	4286553762 (0xFF7F9EA2)
YUV	149.1870, 6.3168, -19.4580
Hunter-Lab	56.1911, -10.9714, -1.6368

Details

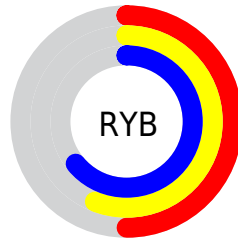
The Yxy color **31.5744, 0.2809, 0.3225** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.4492, 0.3539, 0.3354**, and the grayscale version is **30.1179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3016, 0.2869, 0.3241**, and **13.2190, 0.2711, 0.3219** is the 20% darker color. If you saturate the color by 10%, you get **29.8027, 0.2673, 0.3191**, and if you desaturate by 10%, it is **33.5582, 0.2953, 0.3257**.

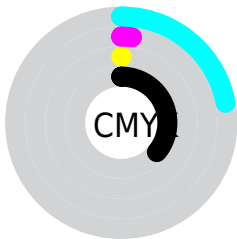
Distribution



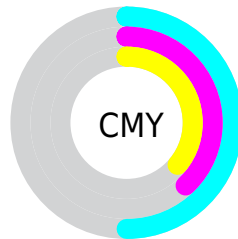
- Red (50%)
- Green (62%)
- Blue (64%)



- Red (50%)
- Yellow (56%)
- Blue (64%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)
- Black (36%)




- Cyan (50%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5744, 0.2809, 0.3225 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 31.5744, 0.2809, 0.3225 by changing the saturation by 10% instead.


 31.5744, 0.2809,
0.3225

 31.5744, 0.2809,
0.3225


309.1759, 0.2977,
0.3262

 21.0366, 0.2764,
0.3214


 62.1433, 0.2872,
0.3239

 13.1508, 0.2704,
0.3200


 82.9432, 0.2895,
0.3244

 7.5325, 0.2621,
0.3178


 107.9326, 0.2915,
0.3249

 3.7973, 0.2497,
0.3144

137.4959, 0.2931,
0.3252

 1.5608, 0.2294,
0.3082

172.0175, 0.2945,
0.3255

 0.3310, 0.0656,
0.2849

211.8817, 0.2957,

 0.0000, 0.0000,

0.3257

0.0000

257.4731, 0.2968,
0.3260

■ 31.5744, 0.2809,
0.3225

■ 31.5744, 0.2809,
0.3225

■ 29.8027, 0.2673,
0.3191

■ 33.5582, 0.2953,
0.3257

■ 28.2297, 0.2549,
0.3155

■ 35.7592, 0.3103,
0.3286

■ 26.8464, 0.2439,
0.3118

■ 38.1871, 0.3255,
0.3312

■ 25.6412, 0.2344,
0.3079

■ 40.8498, 0.3409,
0.3336

■ 24.6018, 0.2268,
0.3040

■ 43.7550, 0.3560,
0.3357

■ 23.7136, 0.2210,
0.3001

■ 46.9097, 0.3709,
0.3376

■ 22.9596, 0.2171,
0.2962

■ 50.3210, 0.3852,
0.3392

■ 22.3971, 0.2147,
0.2929

■ 53.6888, 0.3977,
0.3407

■ 54.4034, 0.3969,
0.3426

Harmonies

Analogous

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



31.5744, 0.2914, 0.3392



31.5744, 0.2809, 0.3225



31.5744, 0.2787, 0.3082

Triad

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



31.5744, 0.2809, 0.3225



31.5744, 0.3169, 0.3063



31.5744, 0.3406, 0.3583

Complementary

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



31.5744, 0.2809, 0.3225



25.4492, 0.3539, 0.3354

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.



31.5744, 0.3480, 0.3485



31.5744, 0.2809, 0.3225



31.5744, 0.3341, 0.3188

Square

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



31.5744, 0.2809, 0.3225



31.5744, 0.2991, 0.2995



31.5744, 0.3456, 0.3340



31.5744, 0.3258, 0.3604

Rectangle

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



31.5744, 0.2809, 0.3225



31.5744, 0.2821, 0.3020



31.5744, 0.3456, 0.3340



31.5744, 0.3440, 0.3558

Sweetspot

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



31.5757, 0.2809, 0.3225



63.0621, 0.3035, 0.3273



31.9802, 0.3070, 0.3815



14.1085, 0.3026, 0.3271



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.5757, 0.2809, 0.3225



55.6992, 0.2741, 0.3209



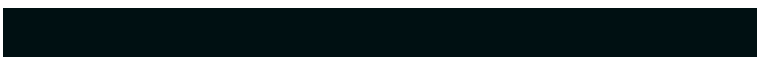
26.1726, 0.2790, 0.2944



7.8723, 0.2988, 0.3264



17.6837, 0.2148, 0.2933



0.4081, 0.2187, 0.3073

Inverse Universe

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



25.3308, 0.3195, 0.2823



42.3560, 0.3212, 0.2715



30.3958, 0.3486, 0.3613



7.1882, 0.3154, 0.3093



7.6293, 0.3514, 0.1709



0.1640, 0.3390, 0.1641

Previews

White Background



This preview shows how the Yxy color 31.5744, 0.2809, 0.3225 looks on a white background.

Color Contrast Check

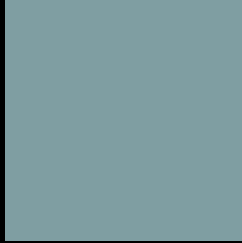
Large Text (above 18pt) WCAG AA × Fail

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 31.5744, 0.2809, 0.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

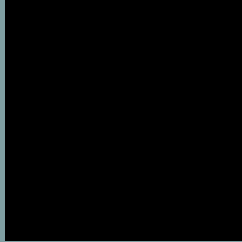
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

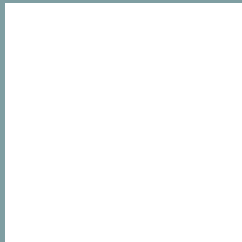
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5744, 0.2809, 0.3225

Background



This preview shows how black text looks on a background with the Yxy color 31.5744, 0.2809, 0.3225.



This preview shows how white text looks on a background with the Yxy color 31.5744, 0.2809, 0.3225.

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

31.5744, 0.2809, 0.3225

Protanopia

31.3741, 0.3082, 0.3184

Deuteranopia

31.4372, 0.3108, 0.3054



Tritanopia

31.5677, 0.2761, 0.3100

Trichromacy



Original Color

31.5744, 0.2809, 0.3225

Protanomaly

31.5437, 0.2985, 0.3212

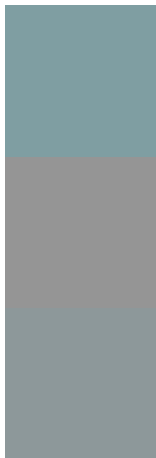
Deuteranomaly

31.4904, 0.2998, 0.3122

Tritanomaly

31.4563, 0.2785, 0.3146

Monochromacy



Original Color

31.5744, 0.2809, 0.3225

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.4523, 0.3001, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5744, 0.2809, 0.3225 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(127, 158, 162)` looks like.

```
.text, #text, p{  
    color:rgb(127, 158, 162)  
}
```

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(127, 158, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 158, 162) }
```

Border

The CSS property to change the border of an element to Yxy 31.5744, 0.2809, 0.3225 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(127, 158, 162) }
```

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

```
.border{ border-color:rgb(127, 158, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 158, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 158, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 158, 162);  
box-shadow:4px 4px 4px 4px rgb(127, 158,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5744, 0.2809, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 158, 162) }
```

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

```
.background{ background-color: rgb(127,  
158, 162) }
```

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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