

Converting Colors

$Y_{xy}(31.7231, 0.2895, 0.3025)$

Have a look what the booklet for
Yxy(31.7231, 0.2895, 0.3025)
contains.

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Color

Yxy(31.7045, 0.2900, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	9199AA
RGB	145, 153, 170
RGB Percent	57%, 60%, 67%
CMY	0.4313, 0.4000, 0.3334
CMYK	0.15, 0.10, 0.00, 0.33
HSL	221°, 13%, 62%
HSV	221°, 15%, 67%
XYZ	30.3242, 31.7045, 42.5376
YIQ	152.5460, -10.2250, 3.5910

Conversions

Conversions Part 2

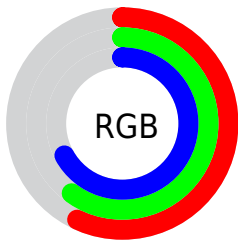
Format	Color
RYB	145, 151, 170
Decimal	9542058
CIELab	63.10, 0.72, -9.83
CIELCh	63, 9.857, 274.161
Yxy	31.7045, 0.2900, 0.3032
Android (android.graphics.Color)	4287732138 (0xFF9199AA)
YUV	152.5460, 8.6048, -6.6178
Hunter-Lab	56.3067, -2.4049, -5.3766

Details

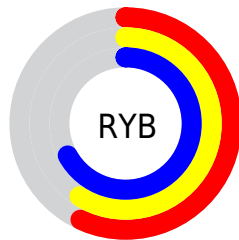
The Yxy color **31.7045, 0.2900, 0.3032** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4254, 0.3358, 0.3535**, and the grayscale version is **31.6144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2040, 0.2947, 0.3083**, and **13.1904, 0.2818, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **26.6724, 0.2733, 0.2831**, and if you desaturate by 10%, it is **37.3369, 0.3057, 0.3213**.

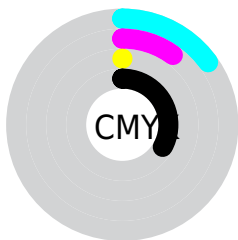
Distribution



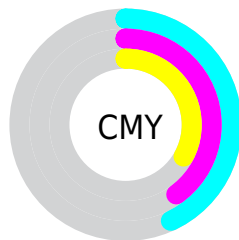
- Red (57%)
- Green (60%)
- Blue (67%)



- Red (57%)
- Yellow (59%)
- Blue (67%)



- Cyan (15%)
- Magenta (10%)
- Yellow (0%)
- Black (33%)



- Cyan (43%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7045, 0.2900, 0.3032 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 31.7045, 0.2900, 0.3032 by changing the saturation by 10% instead.

■ 31.7045, 0.2900,
0.3032

■ 31.7045, 0.2900,
0.3032

309.7709, 0.3020,
0.3169

■ 21.1359, 0.2867,
0.2995

■ 62.3476, 0.2946,
0.3084

■ 13.2234, 0.2824,
0.2946

■ 83.1908, 0.2962,
0.3102

■ 7.5825, 0.2764,
0.2878

108.2277, 0.2976,
0.3118

■ 3.8290, 0.2673,
0.2777

137.8426, 0.2988,
0.3131

■ 1.5784, 0.2525,
0.2611

172.4200, 0.2998,
0.3143

■ 0.3430, 0.1962,
0.1959

212.3443, 0.3006,

■ 0.0000, 0.0000,

0.3152

0.0000

257.9998, 0.3014,
0.3161

■ 31.7045, 0.2900,
0.3032

■ 31.7045, 0.2900,
0.3032

■ 26.6724, 0.2733,
0.2831

■ 37.3369, 0.3057,
0.3213

■ 22.2161, 0.2558,
0.2609

■ 43.5852, 0.3203,
0.3373

■ 18.3150, 0.2379,
0.2370

■ 50.4694, 0.3337,
0.3514

■ 14.9459, 0.2203,
0.2118

■ 58.0072, 0.3460,
0.3637

■ 12.0836, 0.2036,
0.1860

■ 66.2158, 0.3571,
0.3745

■ 9.7006, 0.1887,
0.1607

■ 75.1115, 0.3671,
0.3839

■ 7.7665, 0.1762,
0.1368

■ 82.9631, 0.3695,
0.3936

■ 6.2461, 0.1668,
0.1157

■ 89.7588, 0.3660,
0.4041

■ 5.5742, 0.1627,
0.1056

■ 95.6813, 0.3632,
0.4125

Harmonies

Analogous

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



31.7045, 0.2832, 0.3096



31.7045, 0.2900, 0.3032



31.7045, 0.3029, 0.3036

Triad

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



31.7045, 0.2900, 0.3032



31.7045, 0.3422, 0.3354



31.7045, 0.3063, 0.3488

Complementary

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



31.7045, 0.2900, 0.3032



36.4254, 0.3358, 0.3535

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.



31.7045, 0.3221, 0.3559



31.7045, 0.2900, 0.3032



31.7045, 0.3430, 0.3476

Square

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



31.7045, 0.2900, 0.3032



31.7045, 0.3332, 0.3219



31.7045, 0.3356, 0.3553



31.7045, 0.2925, 0.3359

Rectangle

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



31.7045, 0.2900, 0.3032



31.7045, 0.3133, 0.3075



31.7045, 0.3356, 0.3553



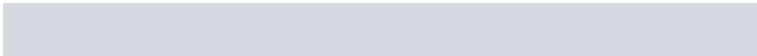
31.7045, 0.3115, 0.3519

Sweetspot

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



31.7058, 0.2900, 0.3032



68.4252, 0.3067, 0.3223



37.3572, 0.2974, 0.3414



15.0812, 0.3055, 0.3210



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.7058, 0.2900, 0.3032



54.0927, 0.2840, 0.2961



29.5644, 0.2936, 0.2912



7.6777, 0.2986, 0.3132



4.1929, 0.1632, 0.1075



0.1936, 0.1822, 0.1757

Inverse Universe

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



31.0998, 0.3312, 0.3174



52.8540, 0.3367, 0.3144



38.8711, 0.3303, 0.3650



7.5804, 0.3238, 0.3218



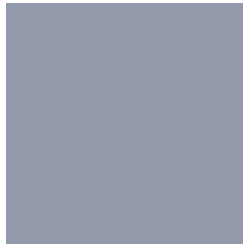
6.4943, 0.5647, 0.2885



0.1673, 0.4737, 0.2383

Previews

White Background



This preview shows how the Yxy color 31.7045, 0.2900, 0.3032 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 31.7045, 0.2900, 0.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

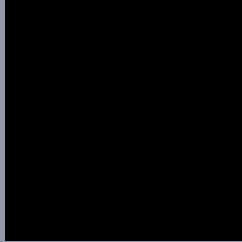
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

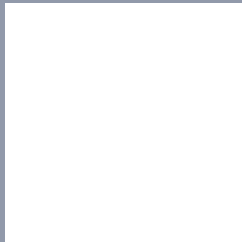
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7045, 0.2900, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 31.7045, 0.2900, 0.3032.



This preview shows how white text looks on a background with the Yxy color 31.7045, 0.2900, 0.3032.

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

31.7045, 0.2900, 0.3032

Protanopia

31.4818, 0.2954, 0.3019

Deuteranopia

31.8061, 0.3023, 0.2968



Tritanopia

31.7937, 0.2925, 0.3106

Trichromacy



Original Color

31.7045, 0.2900, 0.3032

Protanomaly

31.6169, 0.2936, 0.3033

Deuteranomaly

31.6230, 0.2975, 0.2978

Tritanomaly

31.8305, 0.2916, 0.3091

Monochromacy



Original Color

31.7045, 0.2900, 0.3032

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.7697, 0.3043, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7045, 0.2900, 0.3032 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(145, 153, 170)` looks like.

```
.text, #text, p{  
    color:rgb(145, 153, 170)  
}
```

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(145, 153, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 153, 170) }
```

Border

The CSS property to change the border of an element to Yxy 31.7045, 0.2900, 0.3032 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(145, 153, 170) }
```

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

```
.border{ border-color:rgb(145, 153, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 153, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 153, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 153, 170);  
box-shadow:4px 4px 4px 4px rgb(145, 153,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7045, 0.2900, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 153, 170) }
```

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

```
.background{ background-color: rgb(145,  
153, 170) }
```

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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