

Converting Colors

$Yxy(31.1327, 0.2699, 0.3063)$

Have a look what the booklet for
Yxy(31.1327, 0.2699, 0.3063)
contains.

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Color

Yxy(31.1918, 0.2697, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	7A9DAB
RGB	122, 157, 171
RGB Percent	48%, 62%, 67%
CMY	0.5214, 0.3843, 0.3294
CMYK	0.29, 0.08, 0.00, 0.33
HSL	197°, 23%, 57%
HSV	197°, 29%, 67%
XYZ	27.4378, 31.1918, 43.1049
YIQ	148.1310, -25.3540, -3.0660

Conversions

Conversions Part 2

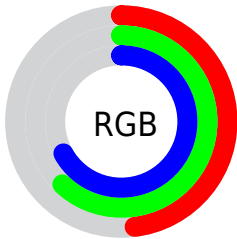
Format	Color
RYB	122, 142, 171
Decimal	8035755
CIELab	62.67, -8.64, -11.22
CIELCh	63, 14.159, 232.394
Yxy	31.1918, 0.2697, 0.3066
Android (android.graphics.Color)	4286225835 (0xFF7A9DAB)
YUV	148.1310, 11.2744, -22.9169
Hunter-Lab	55.8496, -10.0434, -6.6655

Details

The Yxy color **31.1918, 0.2697, 0.3066** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.6867, 0.3684, 0.3503**, and the grayscale version is **29.6353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8081, 0.2787, 0.3122**, and **12.9796, 0.2551, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **28.4296, 0.2554, 0.2975**, and if you desaturate by 10%, it is **34.2425, 0.2845, 0.3151**.

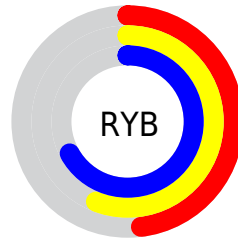
Distribution



Red (48%)

Green (62%)

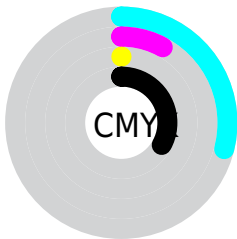
Blue (67%)



Red (48%)

Yellow (56%)

Blue (67%)

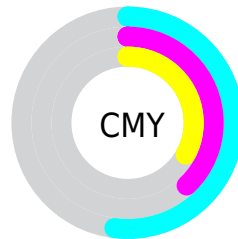


Cyan (29%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (38%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1918, 0.2697, 0.3066 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 31.1918, 0.2697, 0.3066 by changing the saturation by 10% instead.

■ 31.1918, 0.2697,
0.3066

■ 31.1918, 0.2697,
0.3066

■ 307.4210, 0.2923,
0.3188

■ 20.7449, 0.2637,
0.3032

■ 61.5419, 0.2782,
0.3113

■ 12.9377, 0.2557,
0.2986

■ 82.2140, 0.2813,
0.3130

■ 7.3857, 0.2447,
0.2920

■ 107.0632, 0.2839,
0.3144

■ 3.7044, 0.2285,
0.2820

■ 136.4740, 0.2861,
0.3155

■ 1.5096, 0.2025,
0.2648

■ 170.8308, 0.2880,
0.3165

■ 0.2955, 0.0473,
0.1999

■ 210.5180, 0.2896,

■ 0.0000, 0.0000,

0.3174

0.0000

255.9199, 0.2911,
0.3181

■ 31.1918, 0.2697,
0.3066

■ 31.1918, 0.2697,
0.3066

■ 28.4296, 0.2554,
0.2975

■ 34.2425, 0.2845,
0.3151

■ 25.9398, 0.2421,
0.2877

■ 37.5894, 0.2997,
0.3229

■ 23.7104, 0.2300,
0.2775

■ 41.2444, 0.3148,
0.3299

■ 21.7267, 0.2195,
0.2670

■ 45.2176, 0.3297,
0.3363

■ 19.9721, 0.2108,
0.2563

■ 49.5187, 0.3442,
0.3419

■ 18.4274, 0.2040,
0.2457

■ 54.1568, 0.3582,
0.3469

■ 17.0583, 0.1989,
0.2351

■ 59.1406, 0.3716,
0.3513

■ 16.8785, 0.1983,
0.2337

■ 63.7425, 0.3812,
0.3554

■ 65.9881, 0.3795,
0.3604

Harmonies

Analogous

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



31.1918, 0.2752, 0.3259



31.1918, 0.2697, 0.3066



31.1918, 0.2751, 0.2943

Triad

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



31.1918, 0.2697, 0.3066



31.1918, 0.3346, 0.3117



31.1918, 0.3344, 0.3692

Complementary

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



31.1918, 0.2697, 0.3066



27.6867, 0.3684, 0.3503

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.



31.1918, 0.3513, 0.3635



31.1918, 0.2697, 0.3066



31.1918, 0.3516, 0.3302

Square

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



31.1918, 0.2697, 0.3066



31.1918, 0.3120, 0.2978



31.1918, 0.3577, 0.3490



31.1918, 0.3121, 0.3632

Rectangle

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



31.1918, 0.2697, 0.3066



31.1918, 0.2844, 0.2913



31.1918, 0.3577, 0.3490



31.1918, 0.3409, 0.3685

Sweetspot

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



31.1930, 0.2697, 0.3066



66.9882, 0.2989, 0.3225



35.0434, 0.2981, 0.3865



14.7423, 0.2967, 0.3214



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.



31.1930, 0.2697, 0.3066



52.8484, 0.2611, 0.3012



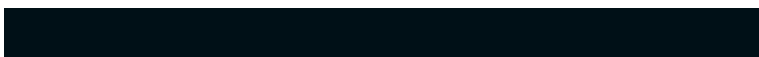
23.7595, 0.2655, 0.2659



8.6789, 0.2986, 0.3224



12.8161, 0.1985, 0.2347



0.4437, 0.2074, 0.2666

Inverse Universe

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



25.0211, 0.3315, 0.2780



40.3764, 0.3366, 0.2671



35.3438, 0.3589, 0.3850



8.1084, 0.3179, 0.3129



7.5968, 0.4077, 0.2020



0.2201, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 31.1918, 0.2697, 0.3066 looks on a white background.

Color Contrast Check

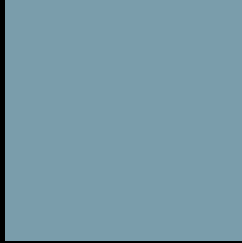
Large Text (above 18pt) WCAG AA × Fail

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 31.1918, 0.2697, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

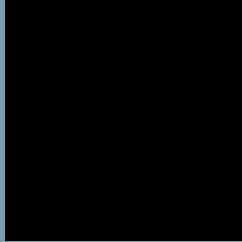
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

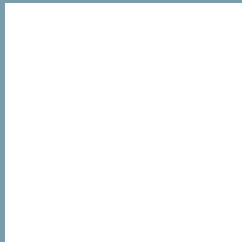
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.1918, 0.2697, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 31.1918, 0.2697, 0.3066.



This preview shows how white text looks on a background with the Yxy color 31.1918, 0.2697, 0.3066.

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

31.1918, 0.2697, 0.3066

Protanopia

30.9923, 0.2962, 0.3032

Deuteranopia

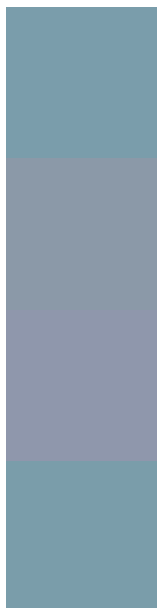
30.8531, 0.2966, 0.2906



Tritanopia

31.1538, 0.2704, 0.3082

Trichromacy



Original Color

31.1918, 0.2697, 0.3066

Protanomaly

31.0986, 0.2861, 0.3057

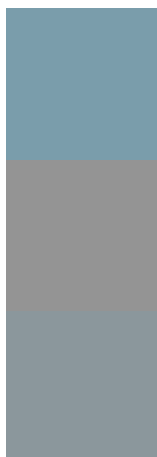
Deuteranomaly

30.9514, 0.2863, 0.2970

Tritanomaly

31.1538, 0.2704, 0.3082

Monochromacy



Original Color

31.1918, 0.2697, 0.3066

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.0225, 0.2963, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1918, 0.2697, 0.3066 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(122, 157, 171)` looks like.

```
.text, #text, p{  
    color:rgb(122, 157, 171)  
}
```

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(122, 157, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 157, 171) }
```

Border

The CSS property to change the border of an element to Yxy 31.1918, 0.2697, 0.3066 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(122, 157, 171) }
```

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

```
.border{ border-color:rgb(122, 157, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 157, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 157, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 157, 171);  
box-shadow:4px 4px 4px 4px rgb(122, 157,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1918, 0.2697, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 157, 171) }
```

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

```
.background{ background-color: rgb(122,  
157, 171) }
```

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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