

Converting Colors

$Y_{xy}(19.0721, 0.2972, 0.2758)$

Have a look what the booklet for
Yxy(19.0721, 0.2972, 0.2758)
contains.

Yxy(19.1311, 0.2980, 0.2768)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.1311, 0.2980, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	837391
RGB	131, 115, 145
RGB Percent	51%, 45%, 57%
CMY	0.4864, 0.5489, 0.4314
CMYK	0.10, 0.21, 0.00, 0.43
HSL	272°, 12%, 51%
HSV	272°, 21%, 57%
XYZ	20.5963, 19.1311, 29.3878
YIQ	123.2040, -0.0940, 12.7220

Conversions

Conversions Part 2

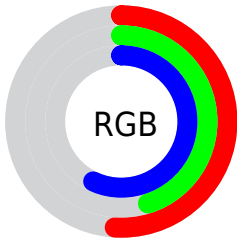
Format	Color
RYB	131, 115, 145
Decimal	8614801
CIELab	50.84, 12.22, -14.01
CIElCh	51, 18.588, 311.093
Yxy	19.1311, 0.2980, 0.2768
Android (android.graphics.Color)	4286804881 (0xFF837391)
YUV	123.2040, 10.7454, 6.8371
Hunter-Lab	43.7391, 7.5105, -9.2189

Details

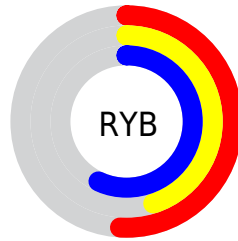
The Yxy color $19.1311, 0.2980, 0.2768$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $26.1536, 0.3251, 0.3816$, and the grayscale version is $19.8410, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.9513, 0.3013, 0.2880$, and $6.5899, 0.2898, 0.2558$ is the 20% darker color. If you saturate the color by 10%, you get $15.5569, 0.2891, 0.2491$, and if you desaturate by 10%, it is $23.2625, 0.3057, 0.3030$.

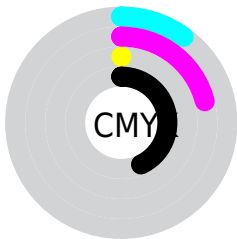
Distribution



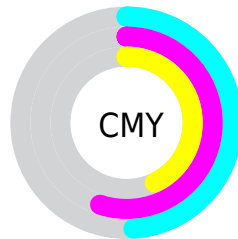
- Red (51%)
- Green (45%)
- Blue (57%)



- Red (51%)
- Yellow (45%)
- Blue (57%)



- Cyan (10%)
- Magenta (21%)
- Yellow (0%)
- Black (43%)



- Cyan (49%)
- Magenta (55%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1311, 0.2980, 0.2768 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 19.1311, 0.2980, 0.2768 by changing the saturation by 10% instead.

■ 19.1311, 0.2980,
0.2768

■ 19.1311, 0.2980,
0.2768

■ 247.1716, 0.3067,
0.3058

■ 11.7650, 0.2952,
0.2684

■ 41.9555, 0.3016,
0.2881

■ 6.5839, 0.2912,
0.2569

■ 58.1827, 0.3028,
0.2921

■ 3.2033, 0.2849,
0.2400

■ 78.1323, 0.3038,
0.2954

■ 1.2388, 0.2738,
0.2131

■ 102.1888, 0.3046,
0.2982

■ 0.0930, 0.2471,
0.0594

■ 130.7366, 0.3052,
0.3005

■ 0.0000, 0.0000,
0.0000

164.1600, 0.3058,

0.3025

202.8436, 0.3063,
0.3043

■ 19.1311, 0.2980,
0.2768

■ 19.1311, 0.2980,
0.2768

■ 15.5569, 0.2891,
0.2491

■ 23.2625, 0.3057,
0.3030

■ 12.5125, 0.2792,
0.2207

■ 27.9719, 0.3123,
0.3274

■ 9.9719, 0.2682,
0.1923

■ 33.2821, 0.3179,
0.3498

■ 7.9058, 0.2564,
0.1653

■ 39.2139, 0.3226,
0.3702

■ 6.2816, 0.2442,
0.1409

■ 45.7871, 0.3265,
0.3885

■ 5.0629, 0.2322,
0.1203

■ 53.0206, 0.3297,
0.4050

■ 4.2067, 0.2207,
0.1046

■ 60.9325, 0.3324,
0.4197

■ 3.6282, 0.2106,
0.0934

■ 69.5401, 0.3345,
0.4328

■ 78.8603, 0.3363,
0.4446

Harmonies

Analogous

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



19.1311, 0.2681, 0.2719



19.1311, 0.2980, 0.2768



19.1311, 0.3335, 0.2938

Triad

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



19.1311, 0.2980, 0.2768



19.1311, 0.3782, 0.3740



19.1311, 0.2626, 0.3362

Complementary

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



19.1311, 0.2980, 0.2768



26.1536, 0.3251, 0.3816

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.



19.1311, 0.2899, 0.3685



19.1311, 0.2980, 0.2768



19.1311, 0.3569, 0.3899

Square

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



19.1311, 0.2980, 0.2768



19.1311, 0.3814, 0.3480



19.1311, 0.3244, 0.3887



19.1311, 0.2486, 0.3038

Rectangle

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



19.1311, 0.2980, 0.2768



19.1311, 0.3555, 0.3100



19.1311, 0.3244, 0.3887



19.1311, 0.2705, 0.3476

Sweetspot

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



19.1319, 0.2980, 0.2768



45.3718, 0.3088, 0.3144



21.5227, 0.2811, 0.3010



9.9896, 0.3085, 0.3130



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



19.1319, 0.2980, 0.2768



31.0414, 0.2938, 0.2635



20.3122, 0.3156, 0.2802



5.3874, 0.3068, 0.3068



3.1284, 0.2112, 0.0937



0.0430, 0.2587, 0.1199

Inverse Universe

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



19.8697, 0.3344, 0.3052



32.6511, 0.3408, 0.2993



25.1413, 0.3097, 0.3831



5.4634, 0.3213, 0.3188



5.5247, 0.5039, 0.2549



0.0572, 0.4116, 0.2041

Previews

White Background



This preview shows how the Yxy color 19.1311, 0.2980, 0.2768 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1311, 0.2980, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

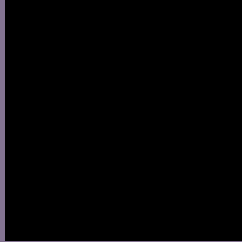
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1311, 0.2980, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 19.1311, 0.2980, 0.2768.



This preview shows how white text looks on a background with the Yxy color 19.1311, 0.2980, 0.2768.

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

19.1311, 0.2980, 0.2768

Protanopia

19.2159, 0.2770, 0.2782

Deuteranopia

19.1081, 0.2886, 0.2823



Tritanopia

19.0784, 0.3147, 0.3126

Trichromacy



Original Color

19.1311, 0.2980, 0.2768

Protanomaly

19.1284, 0.2844, 0.2771

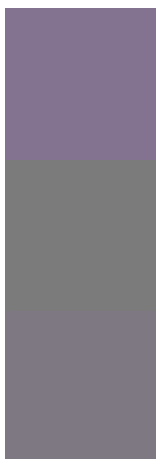
Deuteranomaly

19.0962, 0.2921, 0.2809

Tritanomaly

19.1109, 0.3079, 0.2985

Monochromacy



Original Color

19.1311, 0.2980, 0.2768

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.5073, 0.3075, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1311, 0.2980, 0.2768 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(131, 115, 145)` looks like.

```
.text, #text, p{  
    color:rgb(131, 115, 145)  
}
```

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(131, 115, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 115, 145) }
```

Border

The CSS property to change the border of an element to Yxy 19.1311, 0.2980, 0.2768 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(131, 115, 145) }
```

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

```
.border{ border-color:rgb(131, 115, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 115, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 115, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 115, 145);  
box-shadow:4px 4px 4px 4px rgb(131, 115,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1311, 0.2980, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 115, 145) }
```

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

```
.background{ background-color: rgb(131,  
115, 145) }
```

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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