

Converting Colors

$Y_{xy}(18.2028, 0.2806, 0.2588)$

Have a look what the booklet for
Yxy(18.2028, 0.2806, 0.2588)
contains.

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Color

Yxy(18.3211, 0.2801, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	7B7199
RGB	123, 113, 153
RGB Percent	48%, 44%, 60%
CMY	0.5177, 0.5568, 0.4001
CMYK	0.20, 0.26, 0.00, 0.40
HSL	255°, 16%, 52%
HSV	255°, 26%, 60%
XYZ	19.8213, 18.3211, 32.6227
YIQ	120.5500, -6.8800, 14.5600

Conversions

Conversions Part 2

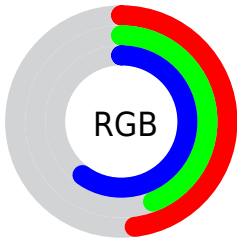
Format	Color
R_{YB}	123, 113, 153
Decimal	8090009
CIE _{Lab}	49.88, 12.53, -20.24
CIE _{LCh}	50, 23.801, 301.758
Yxy	18.3211, 0.2801, 0.2589
Android (android.graphics.Color)	4286280089 (0xFF7B7199)
YUV	120.5500, 15.9978, 2.1486
Hunter-Lab	42.8032, 7.7544, -15.2261

Details

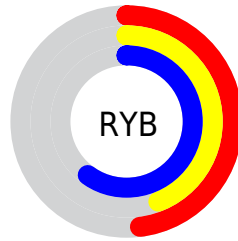
The Yxy color $18.3211, 0.2801, 0.2589$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $29.8106, 0.3402, 0.3947$, and the grayscale version is $18.9172, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.6454, 0.2882, 0.2748$, and $6.1564, 0.2647, 0.2316$ is the 20% darker color. If you saturate the color by 10%, you get $14.3934, 0.2647, 0.2280$, and if you desaturate by 10%, it is $22.9250, 0.2939, 0.2878$.

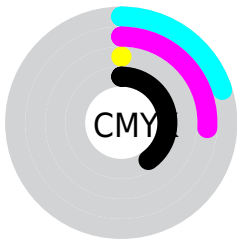
Distribution



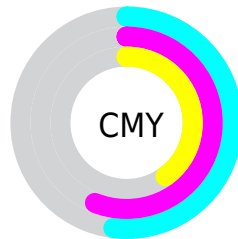
- Red (48%)
- Green (44%)
- Blue (60%)



- Red (48%)
- Yellow (44%)
- Blue (60%)



- Cyan (20%)
- Magenta (26%)
- Yellow (0%)
- Black (40%)



- Cyan (52%)
- Magenta (56%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3211, 0.2801, 0.2589 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 18.3211, 0.2801, 0.2589 by changing the saturation by 10% instead.

■ 18.3211, 0.2801,
0.2589

■ 18.3211, 0.2801,
0.2589

■ 242.6747, 0.2991,
0.2978

■ 11.1808, 0.2742,
0.2478

■ 40.5837, 0.2878,
0.2740

■ 6.1886, 0.2658,
0.2326

■ 56.4748, 0.2904,
0.2794

■ 2.9601, 0.2530,
0.2107

■ 76.0516, 0.2926,
0.2838

■ 1.1109, 0.2314,
0.1769

■ 99.6984, 0.2944,
0.2875

■ 0.0000, 0.1665,
0.0000

■ 127.7998, 0.2958,
0.2907

■ 0.0000, 0.0000,
0.0000

160.7400, 0.2971,

0.2934

198.9035, 0.2982,
0.2957

■ 18.3211, 0.2801,
0.2589

■ 18.3211, 0.2801,
0.2589

■ 14.3934, 0.2647,
0.2280

■ 22.9250, 0.2939,
0.2878

■ 11.1075, 0.2479,
0.1959

■ 28.2329, 0.3061,
0.3141

■ 8.4291, 0.2303,
0.1640

■ 34.2738, 0.3166,
0.3379

■ 6.3199, 0.2127,
0.1340

■ 41.0745, 0.3256,
0.3589

■ 4.7370, 0.1961,
0.1078

■ 48.6601, 0.3334,
0.3775

■ 3.6314, 0.1814,
0.0873

■ 57.0549, 0.3399,
0.3939

■ 2.9339, 0.1696,
0.0732

■ 66.2820, 0.3455,
0.4083

■ 2.7155, 0.1656,
0.0686

■ 76.3635, 0.3502,
0.4209

■ 87.3208, 0.3542,
0.4320

Harmonies

Analogous

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



18.3211, 0.2466, 0.2575



18.3211, 0.2801, 0.2589



18.3211, 0.3249, 0.2760

Triad

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



18.3211, 0.2801, 0.2589



18.3211, 0.4018, 0.3762



18.3211, 0.2573, 0.3520

Complementary

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



18.3211, 0.2801, 0.2589



29.8106, 0.3402, 0.3947

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.



18.3211, 0.2960, 0.3920



18.3211, 0.2801, 0.2589



18.3211, 0.3801, 0.4030

Square

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



18.3211, 0.2801, 0.2589



18.3211, 0.3981, 0.3407



18.3211, 0.3410, 0.4108



18.3211, 0.2342, 0.3075

Rectangle

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



18.3211, 0.2801, 0.2589



18.3211, 0.3553, 0.2944



18.3211, 0.3410, 0.4108



18.3211, 0.2688, 0.3667

Sweetspot

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



18.3218, 0.2801, 0.2589



48.5409, 0.3037, 0.3090



25.6540, 0.2741, 0.3127



10.4133, 0.3021, 0.3054



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



18.3218, 0.2801, 0.2589



28.8160, 0.2718, 0.2422



19.8912, 0.3028, 0.2634



6.0971, 0.3025, 0.3063



2.2586, 0.1662, 0.0689



0.0490, 0.2070, 0.0914

Inverse Universe

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



20.5663, 0.3276, 0.2807



33.5282, 0.3315, 0.2704



28.2311, 0.3199, 0.3990



6.2973, 0.3173, 0.3125



6.6218, 0.3942, 0.1945



0.1046, 0.3561, 0.1736

Previews

White Background



This preview shows how the Yxy color 18.3211, 0.2801, 0.2589 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3211, 0.2801, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

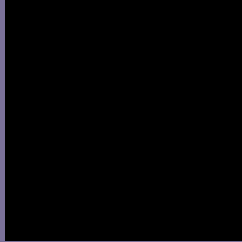
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3211, 0.2801, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 18.3211, 0.2801, 0.2589.



This preview shows how white text looks on a background with the Yxy color 18.3211, 0.2801, 0.2589.

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

18.3211, 0.2801, 0.2589

Protanopia

18.3110, 0.2617, 0.2584

Deuteranopia

18.4343, 0.2695, 0.2655



Tritanopia

18.3407, 0.3024, 0.3119

Trichromacy



Original Color

18.3211, 0.2801, 0.2589

Protanomaly

18.3681, 0.2676, 0.2591

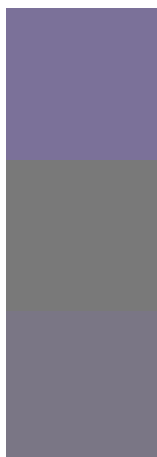
Deuteranomaly

18.4708, 0.2737, 0.2644

Tritanomaly

18.2614, 0.2948, 0.2920

Monochromacy



Original Color

18.3211, 0.2801, 0.2589

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.7879, 0.3005, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3211, 0.2801, 0.2589 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(123, 113, 153)` looks like.

```
.text, #text, p{  
    color:rgb(123, 113, 153)  
}
```

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(123, 113, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 113, 153) }
```

Border

The CSS property to change the border of an element to Yxy 18.3211, 0.2801, 0.2589 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(123, 113, 153) }
```

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

```
.border{ border-color:rgb(123, 113, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 113, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 113, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 113, 153);  
box-shadow:4px 4px 4px 4px rgb(123, 113,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3211, 0.2801, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 113, 153) }
```

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

```
.background{ background-color: rgb(123,  
113, 153) }
```

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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