

Converting Colors

$Y_{xy}(18.1321, 0.2901, 0.2583)$

Have a look what the booklet for
Yxy(18.1321, 0.2901, 0.2583)
contains.

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Color

Yxy(18.1321, 0.2901, 0.2583)

Conversions

Conversions Part 1

Format	Color
Hex	826E97
RGB	130, 110, 151
RGB Percent	51%, 43%, 59%
CMY	0.4903, 0.5686, 0.4079
CMYK	0.14, 0.27, 0.00, 0.41
HSL	269°, 16%, 51%
HSV	269°, 27%, 59%
XYZ	20.3644, 18.1321, 31.7013
YIQ	120.6540, -1.2410, 16.9910

Conversions

Conversions Part 2

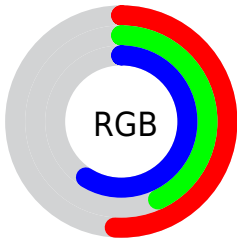
Format	Color
R_{YB}	130, 110, 151
Decimal	8547991
CIE _{Lab}	49.66, 16.19, -19.36
CIE _{LCh}	50, 25.236, 309.910
Yxy	18.1321, 0.2901, 0.2583
Android (android.graphics.Color)	4286738071 (0xFF826E97)
YUV	120.6540, 14.9606, 8.1964
Hunter-Lab	42.5818, 10.8480, -14.3330

Details

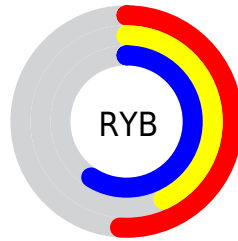
The Yxy color **18.1321, 0.2901, 0.2583** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.0847, 0.3307, 0.3996**, and the grayscale version is **18.9541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3157, 0.2956, 0.2742**, and **6.0708, 0.2793, 0.2313** is the 20% darker color. If you saturate the color by 10%, you get **14.5577, 0.2795, 0.2295**, and if you desaturate by 10%, it is **22.3094, 0.2995, 0.2859**.

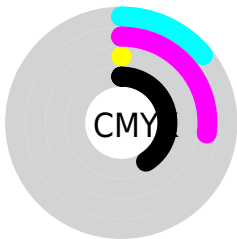
Distribution



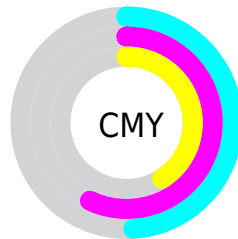
- Red (51%)
- Green (43%)
- Blue (59%)



- Red (51%)
- Yellow (43%)
- Blue (59%)



- Cyan (14%)
- Magenta (27%)
- Yellow (0%)
- Black (41%)





- Cyan (49%)
- Magenta (57%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1321, 0.2901, 0.2583 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 18.1321, 0.2901, 0.2583 by changing the saturation by 10% instead.


 18.1321, 0.2901,
0.2583


 18.1321, 0.2901,
0.2583


241.6146, 0.3036,
0.2974


 11.0449, 0.2858,
0.2472


 40.2623, 0.2956,
0.2735


 6.0970, 0.2795,
0.2320


 56.0740, 0.2975,
0.2789

 2.9042, 0.2697,
0.2101

 75.5628, 0.2990,
0.2833

 1.0819, 0.2527,
0.1765

 99.1128, 0.3003,
0.2870

 0.0000, 0.2094,
0.0000

127.1086, 0.3013,
0.2902

 0.0000, 0.0000,
0.0000

159.9346, 0.3022,

0.2929

197.9751, 0.3029,
0.2953

■ 18.1321, 0.2901,
0.2583

■ 18.1321, 0.2901,
0.2583

■ 14.5577, 0.2795,
0.2295

■ 22.3094, 0.2995,
0.2859

■ 11.5546, 0.2677,
0.2003

■ 27.1143, 0.3076,
0.3118

■ 9.0922, 0.2550,
0.1719

■ 32.5731, 0.3146,
0.3356

■ 7.1354, 0.2419,
0.1456

■ 38.7098, 0.3205,
0.3573

■ 5.6452, 0.2287,
0.1228

■ 45.5472, 0.3254,
0.3768

4.5766, 0.2161,
0.1048

53.1069, 0.3296,
0.3943

3.8549, 0.2046,
0.0918

61.4096, 0.3330,
0.4100

3.6723, 0.2014,
0.0883

70.4754, 0.3358,
0.4239

80.3233, 0.3382,
0.4364

Harmonies

Analogous

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



18.1321, 0.2506, 0.2519



18.1321, 0.2901, 0.2583



18.1321, 0.3390, 0.2802

Triad

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



18.1321, 0.2901, 0.2583



18.1321, 0.4035, 0.3878



18.1321, 0.2453, 0.3401

Complementary

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



18.1321, 0.2901, 0.2583



28.0847, 0.3307, 0.3996

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.



18.1321, 0.2825, 0.3863



18.1321, 0.2901, 0.2583



18.1321, 0.3742, 0.4124

Square

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



18.1321, 0.2901, 0.2583



18.1321, 0.4075, 0.3516



18.1321, 0.3296, 0.4138



18.1321, 0.2264, 0.2946

Rectangle

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



18.1321, 0.2901, 0.2583



18.1321, 0.3701, 0.3014



18.1321, 0.3296, 0.4138



18.1321, 0.2560, 0.3564

Sweetspot

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



18.1329, 0.2901, 0.2583



47.6326, 0.3069, 0.3092



21.8327, 0.2709, 0.2934



10.5368, 0.3058, 0.3057



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.



18.1329, 0.2901, 0.2583



28.1825, 0.2833, 0.2396



19.9024, 0.3149, 0.2634



6.1666, 0.3060, 0.3065



3.1413, 0.2020, 0.0886



0.0685, 0.2501, 0.1151

Inverse Universe

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



19.3729, 0.3407, 0.2942



30.8735, 0.3497, 0.2855



26.6168, 0.3098, 0.4043



6.2729, 0.3208, 0.3176



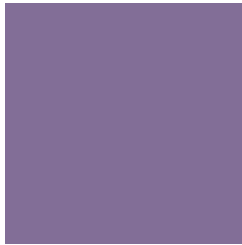
6.0641, 0.4860, 0.2451



0.0980, 0.4024, 0.1990

Previews

White Background



This preview shows how the Yxy color 18.1321, 0.2901, 0.2583 looks on a white background.

Color Contrast Check

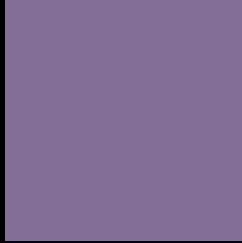
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1321, 0.2901, 0.2583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

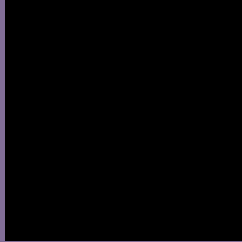
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1321, 0.2901, 0.2583

Background



This preview shows how black text looks on a background with the Yxy color 18.1321, 0.2901, 0.2583.



This preview shows how white text looks on a background with the Yxy color 18.1321, 0.2901, 0.2583.

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

18.1321, 0.2901, 0.2583

Protanopia

18.2487, 0.2607, 0.2582

Deuteranopia

18.2035, 0.2723, 0.2671



Tritanopia

18.1523, 0.3161, 0.3123

Trichromacy



Original Color

18.1321, 0.2901, 0.2583

Protanomaly

18.0126, 0.2704, 0.2574

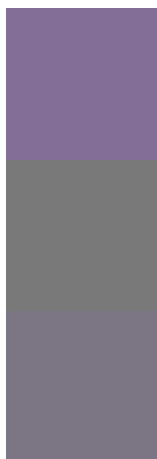
Deuteranomaly

18.1586, 0.2787, 0.2645

Tritanomaly

18.0435, 0.3056, 0.2908

Monochromacy



Original Color

18.1321, 0.2901, 0.2583

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.6736, 0.3041, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1321, 0.2901, 0.2583 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(130, 110, 151)` looks like.

```
.text, #text, p{  
    color:rgb(130, 110, 151)  
}
```

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(130, 110, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 110, 151) }
```

Border

The CSS property to change the border of an element to Yxy 18.1321, 0.2901, 0.2583 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(130, 110, 151) }
```

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

```
.border{ border-color:rgb(130, 110, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 110, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 110, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 110, 151);  
box-shadow:4px 4px 4px 4px rgb(130, 110,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1321, 0.2901, 0.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 110, 151) }
```

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

```
.background{ background-color: rgb(130,  
110, 151) }
```

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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