

Converting Colors

$Y_{xy}(18.2431, 0.2297, 0.1853)$

Have a look what the booklet for
Yxy(18.2431, 0.2297, 0.1853)
contains.

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Color

Yxy(18.2431, 0.2297, 0.1853)

Conversions

Conversions Part 1

Format	Color
Hex	716BC9
RGB	113, 107, 201
RGB Percent	44%, 42%, 79%
CMY	0.5567, 0.5804, 0.2117
CMYK	0.44, 0.47, 0.00, 0.21
HSL	244°, 47%, 60%
HSV	244°, 47%, 79%
XYZ	22.6144, 18.2431, 57.5942
YIQ	119.5100, -26.5980, 30.5060

Conversions

Conversions Part 2

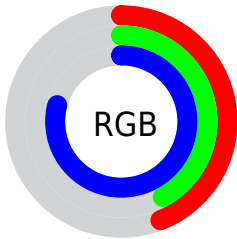
Format	Color
R_{YB}	113, 107, 201
Decimal	7433161
CIE _{Lab}	49.79, 26.25, -48.32
CIE _{LCh}	50, 54.987, 298.515
Yxy	18.2431, 0.2297, 0.1853
Android (android.graphics.Color)	4285623241 (0xFF716BC9)
YUV	119.5100, 40.1746, -5.7093
Hunter-Lab	42.7119, 19.7631, -50.0503

Details

The Yxy color **18.2431, 0.2297, 0.1853** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **54.4372, 0.3759, 0.4445**, and the grayscale version is **18.4959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1087, 0.2499, 0.2149**, and **6.1769, 0.1993, 0.1450** is the 20% darker color. If you saturate the color by 10%, you get **13.4075, 0.2091, 0.1509**, and if you desaturate by 10%, it is **24.3126, 0.2502, 0.2201**.

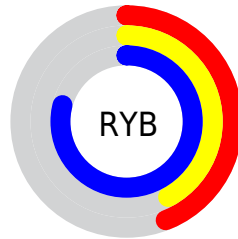
Distribution



Red (44%)

Green (42%)

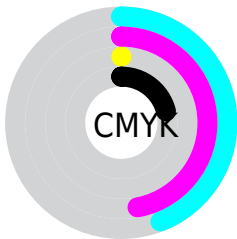
Blue (79%)



Red (44%)

Yellow (42%)

Blue (79%)

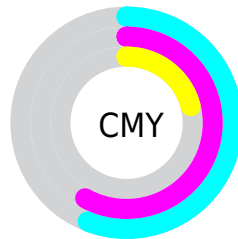


Cyan (44%)

Magenta (47%)

Yellow (0%)

Black (21%)



Cyan (56%)


Magenta (58%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2431, 0.2297, 0.1853 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 18.2431, 0.2297, 0.1853 by changing the saturation by 10% instead.


 18.2431, 0.2297,
0.1853


 18.2431, 0.2297,
0.1853


242.2377, 0.2766,
0.2594

 11.1247, 0.2166,
0.1670


 40.4511, 0.2479,
0.2123


 6.1507, 0.1991,
0.1440


 56.3095, 0.2544,
0.2225

 2.9370, 0.1752,
0.1150

 75.8500, 0.2598,
0.2311

 1.0989, 0.1415,
0.0788

 99.4570, 0.2643,
0.2384

 0.0000, 0.0954,
0.0000

127.5148, 0.2681,
0.2447

 0.0000, 0.0000,
0.0000

160.4080, 0.2713,

0.2503

198.5208, 0.2742,
0.2551

■ 18.2431, 0.2297,
0.1853

■ 18.2431, 0.2297,
0.1853

■ 13.4075, 0.2091,
0.1509

■ 24.3126, 0.2502,
0.2201

■ 9.7194, 0.1898,
0.1192

■ 31.6906, 0.2696,
0.2535

■ 7.0840, 0.1733,
0.0929

■ 40.4483, 0.2874,
0.2844

■ 5.3908, 0.1610,
0.0741

■ 50.6510, 0.3032,
0.3121

■ 4.4967, 0.1534,
0.0634

■ 62.3598, 0.3170,
0.3365

■ 4.3026, 0.1518,
0.0610

■ 75.6325, 0.3289,
0.3579

■ 90.5237, 0.3391,
0.3764

■ 96.9976, 0.3448,
0.3820

Harmonies

Analogous

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



18.2431, 0.1703, 0.1819



18.2431, 0.2297, 0.1853



18.2431, 0.3237, 0.2152

Triad

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



18.2431, 0.2297, 0.1853



18.2431, 0.5100, 0.4017



18.2431, 0.1956, 0.3927

Complementary

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



18.2431, 0.2297, 0.1853



54.4372, 0.3759, 0.4445

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.



18.2431, 0.2755, 0.4985



18.2431, 0.2297, 0.1853



18.2431, 0.4564, 0.4731

Square

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



18.2431, 0.2297, 0.1853



18.2431, 0.5049, 0.3313



18.2431, 0.3706, 0.5219



18.2431, 0.1518, 0.2796

Rectangle

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



18.2431, 0.2297, 0.1853



18.2431, 0.3967, 0.2477



18.2431, 0.3706, 0.5219



18.2431, 0.2188, 0.4333

Sweetspot

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



18.2437, 0.2297, 0.1853



73.5056, 0.2916, 0.2918



46.9626, 0.2498, 0.3221



14.9568, 0.2880, 0.2855



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



18.2437, 0.2297, 0.1853



22.9452, 0.2091, 0.1508



22.0711, 0.2730, 0.2006



10.3195, 0.2992, 0.3052



2.7193, 0.1523, 0.0613



0.1404, 0.1603, 0.0657

Inverse Universe

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



26.8707, 0.3245, 0.2225



39.5351, 0.3273, 0.2032



49.2575, 0.3371, 0.4614



10.8044, 0.3147, 0.3077



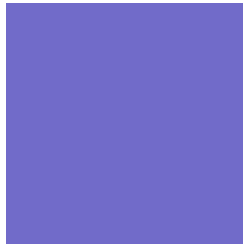
10.0978, 0.3376, 0.1633



0.4818, 0.3338, 0.1612

Previews

White Background



This preview shows how the Yxy color 18.2431, 0.2297, 0.1853 looks on a white background.

Color Contrast Check

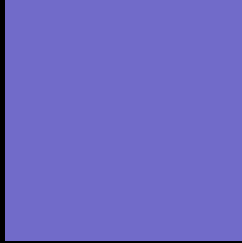
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2431, 0.2297, 0.1853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

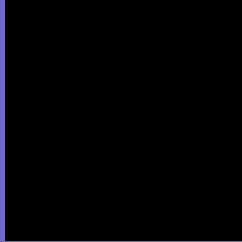
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2431, 0.2297, 0.1853

Background



This preview shows how black text looks on a background with the Yxy color 18.2431, 0.2297, 0.1853.



This preview shows how white text looks on a background with the Yxy color 18.2431, 0.2297, 0.1853.

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

18.2431, 0.2297, 0.1853

Protanopia

18.3608, 0.2020, 0.1806

Deuteranopia

18.3276, 0.2023, 0.1968



Tritanopia

18.2923, 0.2709, 0.3090

Trichromacy



Original Color

18.2431, 0.2297, 0.1853

Protanomaly

18.1684, 0.2105, 0.1817

Deuteranomaly

18.1343, 0.2100, 0.1920

Tritanomaly

18.0160, 0.2540, 0.2541

Monochromacy



Original Color

18.2431, 0.2297, 0.1853

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.2133, 0.2776, 0.2676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2431, 0.2297, 0.1853 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(113, 107, 201)` looks like.

```
.text, #text, p{  
    color:rgb(113, 107, 201)  
}
```

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(113, 107, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 107, 201) }
```

Border

The CSS property to change the border of an element to Yxy 18.2431, 0.2297, 0.1853 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(113, 107, 201) }
```

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

```
.border{ border-color:rgb(113, 107, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 107, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 107, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 107, 201);  
box-shadow:4px 4px 4px 4px rgb(113, 107,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2431, 0.2297, 0.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 107, 201) }
```

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

```
.background{ background-color: rgb(113,  
107, 201) }
```

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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