

Converting Colors

$Y_{xy}(18.2865, 0.3046, 0.2468)$

Have a look what the booklet for
Yxy(18.2865, 0.3046, 0.2468)
contains.

Yxy(18.2869, 0.3039, 0.2465)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.2869, 0.3039, 0.2465)

Conversions

Conversions Part 1

Format	Color
Hex	91689B
RGB	145, 104, 155
RGB Percent	57%, 41%, 61%
CMY	0.4313, 0.5922, 0.3921
CMYK	0.06, 0.33, 0.00, 0.39
HSL	288°, 20%, 51%
HSV	288°, 33%, 61%
XYZ	22.5452, 18.2869, 33.3541
YIQ	122.0730, 8.0650, 24.5530

Conversions

Conversions Part 2

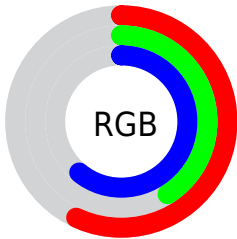
Format	Color
R_{YB}	145, 104, 155
Decimal	9529499
CIE _{Lab}	49.84, 25.71, -21.30
CIE _{LCh}	50, 33.385, 320.356
Yxy	18.2869, 0.3039, 0.2465
Android (android.graphics.Color)	4287719579 (0xFF91689B)
YUV	122.0730, 16.2330, 20.1070
Hunter-Lab	42.7632, 19.2715, -16.3104

Details

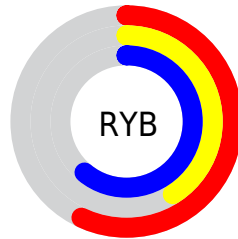
The Yxy color **18.2869, 0.3039, 0.2465** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.0211, 0.3179, 0.4209**, and the grayscale version is **19.4318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7094, 0.3066, 0.2637**, and **6.2075, 0.2984, 0.2172** is the 20% darker color. If you saturate the color by 10%, you get **15.1765, 0.3001, 0.2211**, and if you desaturate by 10%, it is **21.9798, 0.3072, 0.2723**.

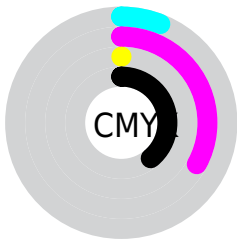
Distribution



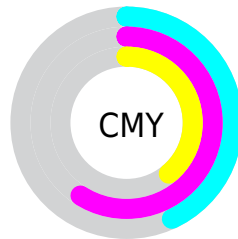
- Red (57%)
- Green (41%)
- Blue (61%)



- Red (57%)
- Yellow (41%)
- Blue (61%)



- Cyan (6%)
- Magenta (33%)
- Yellow (0%)
- Black (39%)





- Cyan (43%)
- Magenta (59%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2869, 0.3039, 0.2465 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 18.2869, 0.3039, 0.2465 by changing the saturation by 10% instead.


 18.2869, 0.3039,
0.2465


 18.2869, 0.3039,
0.2465


242.4832, 0.3099,
0.2913


 11.1562, 0.3017,
0.2341


 40.5256, 0.3066,
0.2637


 6.1720, 0.2983,
0.2174


 56.4023, 0.3074,
0.2699

 2.9499, 0.2925,
0.1940

 75.9632, 0.3081,
0.2750

 1.1056, 0.2818,
0.1590

 99.5926, 0.3086,
0.2793

 0.0000, 0.2809,
0.0000

127.6749, 0.3090,
0.2830

 0.0000, 0.0000,
0.0000

160.5945, 0.3094,

0.2861

198.7358, 0.3097,
0.2889

■ 18.2869, 0.3039,
0.2465

■ 18.2869, 0.3039,
0.2465

■ 15.1765, 0.3001,
0.2211

■ 21.9798, 0.3072,
0.2723

■ 12.6148, 0.2959,
0.1971

■ 26.2821, 0.3099,
0.2977

■ 10.5679, 0.2912,
0.1754


■ 31.2215, 0.3121,
0.3221


■ 8.9974, 0.2862,
0.1571


■ 36.8238, 0.3140,
0.3452


■ 7.8593, 0.2811,
0.1428

■ 43.1128, 0.3154,
0.3667

 7.1014, 0.2760,
0.1328

 50.1117, 0.3165,
0.3865

 6.6988, 0.2724,
0.1274

 57.8420, 0.3173,
0.4045

 66.3248, 0.3179,
0.4209

 75.5801, 0.3182,
0.4357

Harmonies

Analogous

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



18.2869, 0.2474, 0.2308



18.2869, 0.3039, 0.2465



18.2869, 0.3691, 0.2794

Triad

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



18.2869, 0.3039, 0.2465



18.2869, 0.4203, 0.4171



18.2869, 0.2140, 0.3197

Complementary

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



18.2869, 0.3039, 0.2465



28.0211, 0.3179, 0.4209

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.



18.2869, 0.2533, 0.3858



18.2869, 0.3039, 0.2465



18.2869, 0.3723, 0.4440

Square

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



18.2869, 0.3039, 0.2465



18.2869, 0.4398, 0.3724



18.2869, 0.3110, 0.4350



18.2869, 0.2000, 0.2659

Rectangle

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



18.2869, 0.3039, 0.2465



18.2869, 0.4068, 0.3081



18.2869, 0.3110, 0.4350



18.2869, 0.2245, 0.3415

Sweetspot

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



18.2877, 0.3039, 0.2465



49.3484, 0.3106, 0.3044



17.3895, 0.2579, 0.2539



10.9179, 0.3102, 0.3012



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.2877, 0.3039, 0.2465



28.8213, 0.3014, 0.2290



18.7542, 0.3358, 0.2717



6.2625, 0.3108, 0.3069



5.3959, 0.2728, 0.1277



0.0946, 0.2958, 0.1403

Inverse Universe

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



18.0843, 0.3717, 0.3125



28.4604, 0.3896, 0.3090



27.7268, 0.2955, 0.3944



6.2415, 0.3254, 0.3247



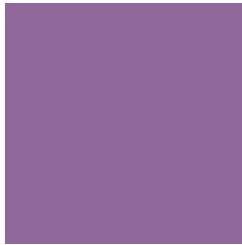
5.6786, 0.6038, 0.3100



0.0892, 0.5104, 0.2585

Previews

White Background



This preview shows how the Yxy color 18.2869, 0.3039, 0.2465 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 18.2869, 0.3039, 0.2465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

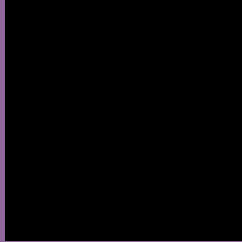
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2869, 0.3039, 0.2465

Background



This preview shows how black text looks on a background with the Yxy color 18.2869, 0.3039, 0.2465.



This preview shows how white text looks on a background with the Yxy color 18.2869, 0.3039, 0.2465.

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

18.2869, 0.3039, 0.2465

Protanopia

18.3822, 0.2502, 0.2438

Deuteranopia

18.4672, 0.2686, 0.2639



Tritanopia

18.3004, 0.3403, 0.3131

Trichromacy



Original Color

18.2869, 0.3039, 0.2465

Protanomaly

18.0835, 0.2677, 0.2441

Deuteranomaly

18.2065, 0.2801, 0.2558

Tritanomaly

18.1694, 0.3267, 0.2860

Monochromacy



Original Color

18.2869, 0.3039, 0.2465

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.7285, 0.3093, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2869, 0.3039, 0.2465 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(145, 104, 155)` looks like.

```
.text, #text, p{  
    color:rgb(145, 104, 155)  
}
```

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(145, 104, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 104, 155) }
```

Border

The CSS property to change the border of an element to Yxy 18.2869, 0.3039, 0.2465 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(145, 104, 155) }
```

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

```
.border{ border-color:rgb(145, 104, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 104, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 104, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 104, 155);  
box-shadow:4px 4px 4px 4px rgb(145, 104,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2869, 0.3039, 0.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 104, 155) }
```

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

```
.background{ background-color: rgb(145,  
104, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor