

Converting Colors

$Y_{xy}(16.9211, 0.2671, 0.2285)$

Have a look what the booklet for
Yxy(16.9211, 0.2671, 0.2285)
contains.

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Color

Yxy(16.9211, 0.2671, 0.2285)

Conversions

Conversions Part 1

Format	Color
Hex	7A69A4
RGB	122, 105, 164
RGB Percent	48%, 41%, 64%
CMY	0.5216, 0.5882, 0.3568
CMYK	0.26, 0.36, 0.00, 0.36
HSL	257°, 24%, 53%
HSV	257°, 36%, 64%
XYZ	19.7795, 16.9211, 37.3523
YIQ	116.8090, -8.8070, 21.9530

Conversions

Conversions Part 2

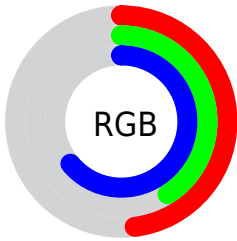
Format	Color
R_{YB}	122, 105, 164
Decimal	8022436
CIE _{Lab}	48.16, 19.74, -29.39
CIE _{LCh}	48, 35.403, 303.898
Yxy	16.9211, 0.2671, 0.2285
Android (android.graphics.Color)	4286212516 (0xFF7A69A4)
YUV	116.8090, 23.2652, 4.5525
Hunter-Lab	41.1353, 13.8435, -25.0428

Details

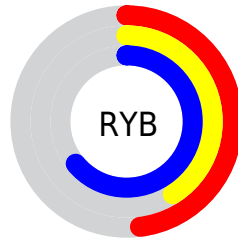
The Yxy color **16.9211, 0.2671, 0.2285** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.7804, 0.3480, 0.4219**, and the grayscale version is **17.6563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1215, 0.2786, 0.2494**, and **5.5737, 0.2476, 0.1941** is the 20% darker color. If you saturate the color by 10%, you get **13.0949, 0.2510, 0.1967**, and if you desaturate by 10%, it is **21.4954, 0.2819, 0.2593**.

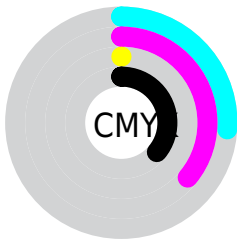
Distribution



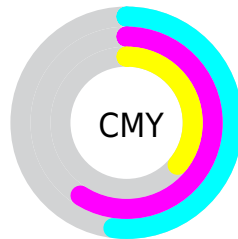
- Red (48%)
- Green (41%)
- Blue (64%)



- Red (48%)
- Yellow (41%)
- Blue (64%)



- Cyan (26%)
- Magenta (36%)
- Yellow (0%)
- Black (36%)





- Cyan (52%)
- Magenta (59%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9211, 0.2671, 0.2285 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 16.9211, 0.2671, 0.2285 by changing the saturation by 10% instead.


 16.9211, 0.2671,
0.2285


 16.9211, 0.2671,
0.2285


234.7173, 0.2941,
0.2834


 10.1783, 0.2587,
0.2134


 38.1901, 0.2780,
0.2495


 5.5173, 0.2469,
0.1932


 53.4850, 0.2818,
0.2571

 2.5539, 0.2290,
0.1652

 72.3994, 0.2848,
0.2634

 0.9035, 0.2000,
0.1250

 95.3176, 0.2873,
0.2686

 0.0000, 0.1198,
0.0000

122.6242, 0.2894,
0.2731

 0.0000, 0.0000,
0.0000

154.7034, 0.2912,

0.2770

191.9396, 0.2927,
0.2804

■ 16.9211, 0.2671,
0.2285

■ 16.9211, 0.2671,
0.2285

■ 13.0949, 0.2510,
0.1967

■ 21.4954, 0.2819,
0.2593

■ 9.9741, 0.2340,
0.1651

■ 26.8534, 0.2950,
0.2881

■ 7.5144, 0.2169,
0.1354

■ 33.0308, 0.3066,
0.3145

■ 5.6658, 0.2005,
0.1096

■ 40.0607, 0.3165,
0.3382

■ 4.3707, 0.1858,
0.0893

■ 47.9740, 0.3251,
0.3595

■ 3.5526, 0.1737,
0.0754

■ 56.8003, 0.3323,
0.3782

■ 3.2913, 0.1695,
0.0707

■ 66.5678, 0.3385,
0.3948

■ 77.3033, 0.3437,
0.4094

■ 89.0327, 0.3481,
0.4222

Harmonies

Analogous

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



16.9211, 0.2180, 0.2234



16.9211, 0.2671, 0.2285



16.9211, 0.3349, 0.2542

Triad

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



16.9211, 0.2671, 0.2285



16.9211, 0.4456, 0.3977



16.9211, 0.2259, 0.3581

Complementary

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



16.9211, 0.2671, 0.2285



33.7804, 0.3480, 0.4219

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.



16.9211, 0.2804, 0.4256



16.9211, 0.2671, 0.2285



16.9211, 0.4080, 0.4407

Square

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



16.9211, 0.2671, 0.2285



16.9211, 0.4452, 0.3460



16.9211, 0.3472, 0.4561



16.9211, 0.1961, 0.2890

Rectangle

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



16.9211, 0.2671, 0.2285



16.9211, 0.3819, 0.2805



16.9211, 0.3472, 0.4561



16.9211, 0.2418, 0.3827

Sweetspot

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



16.9218, 0.2671, 0.2285



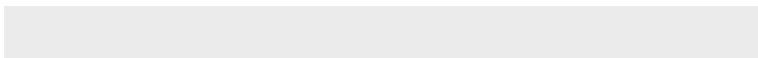
53.8971, 0.3007, 0.3010



26.6431, 0.2594, 0.3003



11.4752, 0.2993, 0.2976



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.9218, 0.2671, 0.2285



25.1623, 0.2546, 0.2036



19.3852, 0.3013, 0.2378



6.9542, 0.3030, 0.3061



2.5448, 0.1704, 0.0712



0.0764, 0.2101, 0.0931

Inverse Universe

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



20.1042, 0.3378, 0.2650



31.8848, 0.3451, 0.2512



31.4128, 0.3193, 0.4310



7.1672, 0.3179, 0.3131



7.0404, 0.4081, 0.2022



0.1555, 0.3703, 0.1814

Previews

White Background



This preview shows how the Yxy color 16.9211, 0.2671, 0.2285 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 16.9211, 0.2671, 0.2285 looks on a black 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

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

Yxy 16.9211, 0.2671, 0.2285

Background



This preview shows how black text looks on a background with the Yxy color 16.9211, 0.2671, 0.2285.

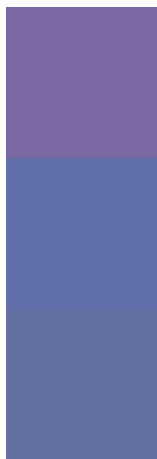


This preview shows how white text looks on a background with the Yxy color 16.9211, 0.2671, 0.2285.

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

16.9211, 0.2671, 0.2285

Protanopia

16.9235, 0.2368, 0.2255

Deuteranopia

16.9603, 0.2449, 0.2394



Tritanopia

17.0172, 0.3032, 0.3133

Trichromacy



Original Color

16.9211, 0.2671, 0.2285

Protanomaly

16.7677, 0.2467, 0.2252

Deuteranomaly

16.8604, 0.2520, 0.2344

Tritanomaly

16.9569, 0.2898, 0.2802

Monochromacy



Original Color

16.9211, 0.2671, 0.2285

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4534, 0.2957, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9211, 0.2671, 0.2285 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(122, 105, 164)` looks like.

```
.text, #text, p{  
    color:rgb(122, 105, 164)  
}
```

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(122, 105, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 105, 164) }
```

Border

The CSS property to change the border of an element to Yxy 16.9211, 0.2671, 0.2285 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(122, 105, 164) }
```

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

```
.border{ border-color:rgb(122, 105, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 105, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 105, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 105, 164);  
box-shadow:4px 4px 4px 4px rgb(122, 105,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9211, 0.2671, 0.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 105, 164) }
```

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

```
.background{ background-color: rgb(122,  
105, 164) }
```

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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