

Converting Colors

$Y_{xy}(16.9568, 0.2885, 0.2468)$

Have a look what the booklet for
Yxy(16.9568, 0.2885, 0.2468)
contains.

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Color

Yxy(16.9135, 0.2887, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	826898
RGB	130, 104, 152
RGB Percent	51%, 41%, 60%
CMY	0.4902, 0.5922, 0.4039
CMYK	0.14, 0.32, 0.00, 0.40
HSL	272°, 19%, 50%
HSV	272°, 32%, 60%
XYZ	19.8251, 16.9135, 31.9317
YIQ	117.2460, 0.0880, 20.4400

Conversions

Conversions Part 2

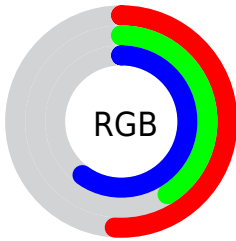
Format	Color
R_{YB}	130, 104, 152
Decimal	8546456
CIE _{Lab}	48.15, 20.01, -22.27
CIE _{LCh}	48, 29.943, 311.942
Yxy	16.9135, 0.2887, 0.2463
Android (android.graphics.Color)	4286736536 (0xFF826898)
YUV	117.2460, 17.1337, 11.1853
Hunter-Lab	41.1260, 14.0768, -17.2466

Details

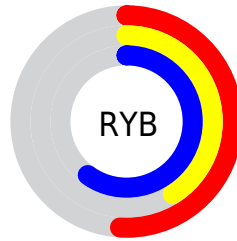
The Yxy color **16.9135, 0.2887, 0.2463** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.8971, 0.3307, 0.4131**, and the grayscale version is **17.8158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0893, 0.2956, 0.2641**, and **5.5713, 0.2770, 0.2168** is the 20% darker color. If you saturate the color by 10%, you get **13.5923, 0.2788, 0.2178**, and if you desaturate by 10%, it is **20.8251, 0.2975, 0.2741**.

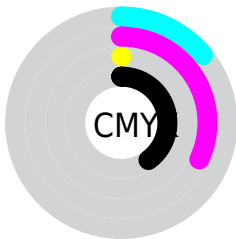
Distribution



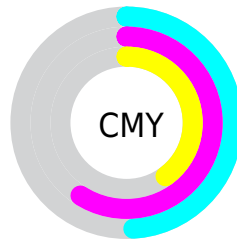
- Red (51%)
- Green (41%)
- Blue (60%)



- Red (51%)
- Yellow (41%)
- Blue (60%)



- Cyan (14%)
- Magenta (32%)
- Yellow (0%)
- Black (40%)





- Cyan (49%)
- Magenta (59%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9135, 0.2887, 0.2463 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 16.9135, 0.2887, 0.2463 by changing the saturation by 10% instead.


 16.9135, 0.2887,
0.2463


 16.9135, 0.2887,
0.2463


234.6734, 0.3033,
0.2920

 10.1728, 0.2839,
0.2334


 38.1770, 0.2948,
0.2640


 5.5137, 0.2768,
0.2158


 53.4686, 0.2968,
0.2703

 2.5517, 0.2657,
0.1907

 72.3793, 0.2985,
0.2755

 0.9025, 0.2460,
0.1527

 95.2936, 0.2998,
0.2799

 0.0000, 0.1753,
0.0000

122.5957, 0.3009,
0.2836

 0.0000, 0.0000,
0.0000

154.6701, 0.3018,

0.2868

191.9012, 0.3026,
0.2895

■ 16.9135, 0.2887,
0.2463

■ 16.9135, 0.2887,
0.2463

■ 13.5923, 0.2788,
0.2178

■ 20.8251, 0.2975,
0.2741

■ 10.8290, 0.2679,
0.1896

■ 25.3531, 0.3052,
0.3006

■ 8.5912, 0.2562,
0.1628


■ 30.5246, 0.3118,
0.3253


■ 6.8418, 0.2442,
0.1389


■ 36.3643, 0.3173,
0.3479


■ 5.5393, 0.2323,
0.1189

■ 42.8956, 0.3220,
0.3686

 4.6343, 0.2210,
0.1040

 50.1408, 0.3259,
0.3872

 4.0763, 0.2121,
0.0942

 58.1211, 0.3291,
0.4039

 66.8570, 0.3317,
0.4188

 76.3679, 0.3338,
0.4322

Harmonies

Analogous

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



16.9135, 0.2408, 0.2370



16.9135, 0.2887, 0.2463



16.9135, 0.3483, 0.2731

Triad

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



16.9135, 0.2887, 0.2463



16.9135, 0.4206, 0.4007



16.9135, 0.2294, 0.3377

Complementary

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



16.9135, 0.2887, 0.2463



27.8971, 0.3307, 0.4131

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.



16.9135, 0.2719, 0.3963



16.9135, 0.2887, 0.2463



16.9135, 0.3827, 0.4309

Square

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



16.9135, 0.2887, 0.2463



16.9135, 0.4287, 0.3575



16.9135, 0.3280, 0.4323



16.9135, 0.2092, 0.2831

Rectangle

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



16.9135, 0.2887, 0.2463



16.9135, 0.3858, 0.2983



16.9135, 0.3280, 0.4323



16.9135, 0.2413, 0.3580

Sweetspot

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



16.9142, 0.2887, 0.2463



46.8360, 0.3069, 0.3067



20.2364, 0.2633, 0.2820



10.3758, 0.3059, 0.3033



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.



16.9142, 0.2887, 0.2463



25.5530, 0.2817, 0.2259



18.7927, 0.3182, 0.2551



6.1828, 0.3068, 0.3066



3.4357, 0.2128, 0.0946



0.0730, 0.2588, 0.1199

Inverse Universe

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



18.0839, 0.3504, 0.2924



28.0355, 0.3623, 0.2839



26.4367, 0.3071, 0.4159



6.2674, 0.3216, 0.3188



5.9707, 0.5085, 0.2575



0.0965, 0.4161, 0.2066

Previews

White Background



This preview shows how the Yxy color 16.9135, 0.2887, 0.2463 looks on a white background.

Color Contrast Check

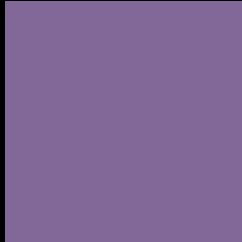
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9135, 0.2887, 0.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

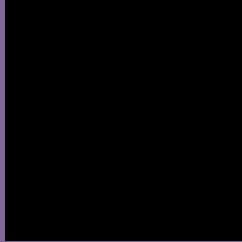
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9135, 0.2887, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 16.9135, 0.2887, 0.2463.



This preview shows how white text looks on a background with the Yxy color 16.9135, 0.2887, 0.2463.

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

16.9135, 0.2887, 0.2463

Protanopia

17.0802, 0.2512, 0.2448

Deuteranopia

17.0764, 0.2643, 0.2600



Tritanopia

16.8437, 0.3216, 0.3119

Trichromacy



Original Color

16.9135, 0.2887, 0.2463

Protanomaly

16.9969, 0.2645, 0.2462

Deuteranomaly

17.0311, 0.2727, 0.2547

Tritanomaly

16.8758, 0.3094, 0.2867

Monochromacy



Original Color

16.9135, 0.2887, 0.2463

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3376, 0.3040, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9135, 0.2887, 0.2463 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, 104, 152)` looks like.

```
.text, #text, p{  
    color:rgb(130, 104, 152)  
}
```

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, 104, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 104, 152) }
```

Border

The CSS property to change the border of an element to Yxy 16.9135, 0.2887, 0.2463 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, 104, 152) }
```

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

```
.border{ border-color:rgb(130, 104, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 104, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 104, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 104, 152);  
box-shadow:4px 4px 4px 4px rgb(130, 104,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9135, 0.2887, 0.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 104, 152) }
```

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

```
.background{ background-color: rgb(130,  
104, 152) }
```

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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