

Converting Colors

$Y_{xy}(16.9569, 0.2738, 0.1868)$

Have a look what the booklet for
Yxy(16.9569, 0.2738, 0.1868)
contains.

Yxy(16.9569, 0.2738, 0.1868)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.9569, 0.2738, 0.1868)

Conversions

Conversions Part 1

Format	Color
Hex	9558BB
RGB	149, 88, 187
RGB Percent	58%, 35%, 73%
CMY	0.4156, 0.6549, 0.2668
CMYK	0.20, 0.53, 0.00, 0.27
HSL	277°, 42%, 54%
HSV	277°, 53%, 73%
XYZ	24.8544, 16.9569, 48.9644
YIQ	117.5250, 4.5770, 43.7210

Conversions

Conversions Part 2

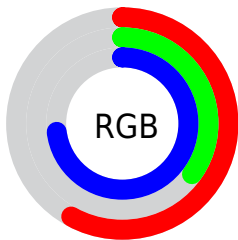
Format	Color
R _{YB}	149, 88, 187
Decimal	9787579
CIE Lab	48.21, 42.99, -42.53
CIE LCh	48, 60.469, 315.308
Yxy	16.9569, 0.2738, 0.1868
Android (android.graphics.Color)	4287977659 (0xFF9558BB)
YUV	117.5250, 34.2512, 27.6036
Hunter-Lab	41.1788, 35.6750, -41.6748

Details

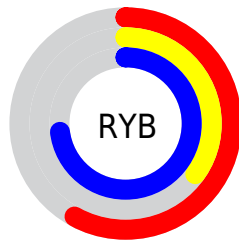
The Yxy color **16.9569, 0.2738, 0.1868** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **40.6684, 0.3333, 0.4819**, and the grayscale version is **17.8517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2670, 0.2836, 0.2133**, and **5.5126, 0.2545, 0.1454** is the 20% darker color. If you saturate the color by 10%, you get **13.6177, 0.2638, 0.1615**, and if you desaturate by 10%, it is **21.1261, 0.2832, 0.2141**.

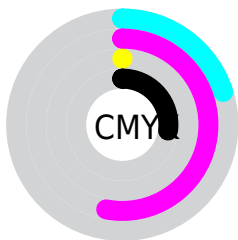
Distribution



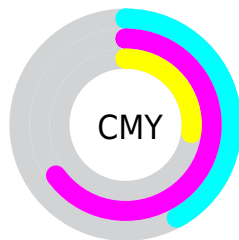
- Red (58%)
- Green (35%)
- Blue (73%)



- Red (58%)
- Yellow (35%)
- Blue (73%)



- Cyan (20%)
- Magenta (53%)
- Yellow (0%)
- Black (27%)




- Cyan (42%)
- Magenta (65%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9569, 0.2738, 0.1868 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 16.9569, 0.2738, 0.1868 by changing the saturation by 10% instead.


 16.9569, 0.2738,
0.1868


 16.9569, 0.2738,
0.1868


234.9239, 0.2982,
0.2600


 10.2038, 0.2659,
0.1686


 38.2517, 0.2839,
0.2135


 5.5343, 0.2548,
0.1456


 53.5621, 0.2874,
0.2236

 2.5640, 0.2381,
0.1163

 72.4937, 0.2901,
0.2320

 0.9086, 0.2117,
0.0791

 95.4309, 0.2923,
0.2393

 0.0000, 0.1736,
0.0000

 122.7582, 0.2942,
0.2455

 0.0000, 0.0000,
0.0000

154.8598, 0.2957,

0.2510

192.1203, 0.2971,
0.2557

■ 16.9569, 0.2738,
0.1868

■ 16.9569, 0.2738,
0.1868

■ 13.6177, 0.2638,
0.1615

■ 21.1261, 0.2832,
0.2141

■ 11.0443, 0.2535,
0.1395

■ 26.1789, 0.2917,
0.2422

■ 9.1660, 0.2432,
0.1218

■ 32.1668, 0.2992,
0.2700

■ 7.8974, 0.2334,
0.1090

■ 39.1365, 0.3057,
0.2967

■ 7.2503, 0.2268,
0.1023

■ 47.1318, 0.3113,
0.3219

■ 56.1936, 0.3159,
0.3453

■ 66.3605, 0.3198,
0.3666

■ 77.6693, 0.3229,
0.3860

■ 89.3362, 0.3257,
0.4022

Harmonies

Analogous

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



16.9569, 0.1874, 0.1667



16.9569, 0.2738, 0.1868



16.9569, 0.3932, 0.2328

Triad

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



16.9569, 0.2738, 0.1868



16.9569, 0.5007, 0.4481



16.9569, 0.1508, 0.3227

Complementary

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



16.9569, 0.2738, 0.1868



40.6684, 0.3333, 0.4819

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.



16.9569, 0.2156, 0.4625



16.9569, 0.2738, 0.1868



16.9569, 0.4163, 0.5234

Square

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



16.9569, 0.2738, 0.1868



16.9569, 0.5388, 0.3692



16.9569, 0.3135, 0.5473



16.9569, 0.1283, 0.2227

Rectangle

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



16.9569, 0.2738, 0.1868



16.9569, 0.4703, 0.2742



16.9569, 0.3135, 0.5473



16.9569, 0.1675, 0.3680

Sweetspot

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



16.9576, 0.2738, 0.1868



65.7632, 0.3037, 0.2880



20.9933, 0.2255, 0.2291



13.9088, 0.3023, 0.2825



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



16.9576, 0.2738, 0.1868



23.3182, 0.2617, 0.1566



20.7188, 0.3305, 0.2145



9.5086, 0.3078, 0.3060



5.0393, 0.2279, 0.1029



0.2339, 0.2504, 0.1153

Inverse Universe

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



19.0465, 0.4036, 0.2771



27.8681, 0.4375, 0.2688



38.4861, 0.2992, 0.4801



9.5953, 0.3230, 0.3202



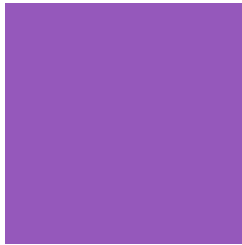
7.6122, 0.5416, 0.2757



0.3110, 0.4768, 0.2400

Previews

White Background



This preview shows how the Yxy color 16.9569, 0.2738, 0.1868 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 16.9569, 0.2738, 0.1868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

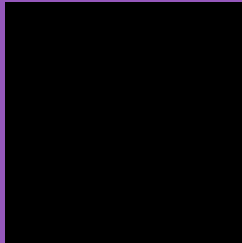
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9569, 0.2738, 0.1868

Background



This preview shows how black text looks on a background with the Yxy color 16.9569, 0.2738, 0.1868.



This preview shows how white text looks on a background with the Yxy color 16.9569, 0.2738, 0.1868.

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

16.9569, 0.2738, 0.1868

Protanopia

17.3500, 0.1964, 0.1743

Deuteranopia

17.2166, 0.2164, 0.2112



Tritanopia

16.8413, 0.3457, 0.3145

Trichromacy



Original Color

16.9569, 0.2738, 0.1868

Protanomaly

16.4043, 0.2151, 0.1746

Deuteranomaly

16.4474, 0.2318, 0.1976

Tritanomaly

16.5095, 0.3161, 0.2576

Monochromacy



Original Color

16.9569, 0.2738, 0.1868

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.1657, 0.2977, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9569, 0.2738, 0.1868 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(149, 88, 187)` looks like.

```
.text, #text, p{  
    color:rgb(149, 88, 187)  
}
```

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(149, 88, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 88, 187) }
```

Border

The CSS property to change the border of an element to Yxy 16.9569, 0.2738, 0.1868 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(149, 88, 187) }
```

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

```
.border{ border-color:rgb(149, 88, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 88, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 88, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 88, 187);  
box-shadow:4px 4px 4px 4px rgb(149, 88,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9569, 0.2738, 0.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 88, 187) }
```

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

```
.background{ background-color: rgb(149, 88,  
187) }
```

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