

Converting Colors

$Y_{xy}(16.0498, 0.2718, 0.1814)$

Have a look what the booklet for
Yxy(16.0498, 0.2718, 0.1814)
contains.

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Color

Yxy(16.0889, 0.2721, 0.1819)

Conversions

Conversions Part 1

Format	Color
Hex	9354BA
RGB	147, 84, 186
RGB Percent	58%, 33%, 73%
CMY	0.4235, 0.6706, 0.2706
CMYK	0.21, 0.55, 0.00, 0.27
HSL	277°, 43%, 53%
HSV	277°, 55%, 73%
XYZ	24.0670, 16.0889, 48.2932
YIQ	114.4650, 4.8060, 45.0780

Conversions

Conversions Part 2

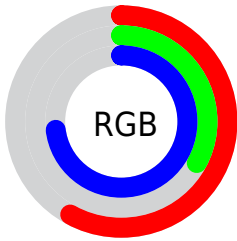
Format	Color
R_{YB}	147, 84, 186
Decimal	9655482
CIE _{Lab}	47.09, 44.38, -43.75
CIE _{LCh}	47, 62.316, 315.412
Yxy	16.0889, 0.2721, 0.1819
Android (android.graphics.Color)	4287845562 (0xFF9354BA)
YUV	114.4650, 35.2668, 28.5332
Hunter-Lab	40.1110, 36.9077, -43.3069

Details

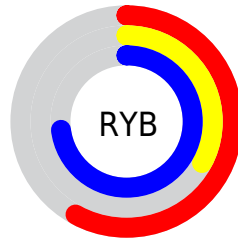
The Yxy color **16.0889, 0.2721, 0.1819** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **39.9700, 0.3334, 0.4877**, and the grayscale version is **16.8654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7759, 0.2824, 0.2094**, and **5.1372, 0.2519, 0.1399** is the 20% darker color. If you saturate the color by 10%, you get **12.9383, 0.2621, 0.1572**, and if you desaturate by 10%, it is **20.0479, 0.2816, 0.2089**.

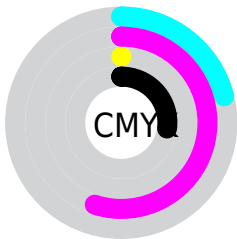
Distribution



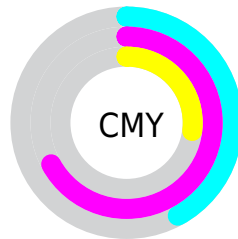
- Red (58%)
- Green (33%)
- Blue (73%)



- Red (58%)
- Yellow (33%)
- Blue (73%)



- Cyan (21%)
- Magenta (55%)
- Yellow (0%)
- Black (27%)





- Cyan (42%)
- Magenta (67%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0889, 0.2721, 0.1819 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 16.0889, 0.2721, 0.1819 by changing the saturation by 10% instead.


 16.0889, 0.2721,
0.1819


 16.0889, 0.2721,
0.1819


229.8657, 0.2978,
0.2577


 9.5871, 0.2638,
0.1631


 36.7525, 0.2828,
0.2096


 5.1261, 0.2519,
0.1394


 51.6830, 0.2864,
0.2200


 2.3214, 0.2342,
0.1093

 70.1919, 0.2893,
0.2288

 0.7850, 0.2062,
0.0714

 92.6636, 0.2916,
0.2362

 0.0000, 0.1637,
0.0000

 119.4824, 0.2936,
0.2427

 0.0000, 0.0000,
0.0000

151.0328, 0.2952,

0.2484

187.6991, 0.2966,
0.2533

■ 16.0889, 0.2721,
0.1819

■ 16.0889, 0.2721,
0.1819

■ 12.9383, 0.2621,
0.1572

■ 20.0479, 0.2816,
0.2089

■ 10.5314, 0.2517,
0.1359

■ 24.8695, 0.2902,
0.2369

■ 8.7963, 0.2416,
0.1191

■ 30.6052, 0.2979,
0.2648

■ 7.6449, 0.2319,
0.1073

■ 37.3020, 0.3046,
0.2918

■ 7.1832, 0.2271,
0.1025

■ 45.0034, 0.3103,
0.3173

■ 53.7503, 0.3151,
0.3410

■ 63.5814, 0.3191,
0.3627

■ 74.5332, 0.3223,
0.3824

■ 86.6406, 0.3250,
0.4003

Harmonies

Analogous

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



16.0889, 0.1828, 0.1611



16.0889, 0.2721, 0.1819



16.0889, 0.3971, 0.2291

Triad

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



16.0889, 0.2721, 0.1819



16.0889, 0.5064, 0.4502



16.0889, 0.1443, 0.3210

Complementary

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



16.0889, 0.2721, 0.1819



39.9700, 0.3334, 0.4877

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.



16.0889, 0.2103, 0.4694



16.0889, 0.2721, 0.1819



16.0889, 0.4176, 0.5305

Square

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



16.0889, 0.2721, 0.1819



16.0889, 0.5481, 0.3686



16.0889, 0.3112, 0.5588



16.0889, 0.1221, 0.2174

Rectangle

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



16.0889, 0.2721, 0.1819



16.0889, 0.4781, 0.2716



16.0889, 0.3112, 0.5588



16.0889, 0.1612, 0.3687

Sweetspot

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



16.0895, 0.2721, 0.1819



65.7708, 0.3037, 0.2880



19.6209, 0.2218, 0.2218



13.9107, 0.3024, 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.



16.0895, 0.2721, 0.1819



22.3548, 0.2597, 0.1520



19.8400, 0.3334, 0.2129



8.9867, 0.3078, 0.3060



4.8765, 0.2282, 0.1031



0.2063, 0.2525, 0.1164

Inverse Universe

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



18.2099, 0.4088, 0.2758



27.0093, 0.4439, 0.2680



37.8468, 0.2979, 0.4834



9.0675, 0.3230, 0.3203



7.3437, 0.5417, 0.2758



0.2711, 0.4719, 0.2373

Previews

White Background



This preview shows how the Yxy color 16.0889, 0.2721, 0.1819 looks on a white background.

Color Contrast Check

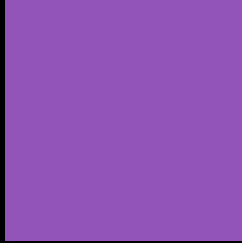
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0889, 0.2721, 0.1819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

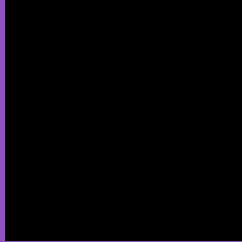
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0889, 0.2721, 0.1819

Background



This preview shows how black text looks on a background with the Yxy color 16.0889, 0.2721, 0.1819.



This preview shows how white text looks on a background with the Yxy color 16.0889, 0.2721, 0.1819.

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

16.0889, 0.2721, 0.1819

Protanopia

16.4900, 0.1913, 0.1674

Deuteranopia

16.2232, 0.2124, 0.2072



Tritanopia

15.9991, 0.3479, 0.3143

Trichromacy



Original Color

16.0889, 0.2721, 0.1819

Protanomaly

15.5050, 0.2098, 0.1684

Deuteranomaly

15.5328, 0.2288, 0.1938

Tritanomaly

15.6897, 0.3175, 0.2565

Monochromacy



Original Color

16.0889, 0.2721, 0.1819

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.0296, 0.2974, 0.2621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0889, 0.2721, 0.1819 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(147, 84, 186)` looks like.

```
.text, #text, p{  
    color:rgb(147, 84, 186)  
}
```

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(147, 84, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 84, 186) }
```

Border

The CSS property to change the border of an element to Yxy 16.0889, 0.2721, 0.1819 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(147, 84, 186) }
```

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

```
.border{ border-color:rgb(147, 84, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 84, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 84, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 84, 186);  
box-shadow:4px 4px 4px 4px rgb(147, 84,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0889, 0.2721, 0.1819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 84, 186) }
```

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

```
.background{ background-color: rgb(147, 84,  
186) }
```

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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