

Converting Colors

$Y_{xy}(21.6266, 0.2485, 0.1824)$

Have a look what the booklet for
Yxy(21.6266, 0.2485, 0.1824)
contains.

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Color

Yxy(21.5843, 0.2486, 0.1819)

Conversions

Conversions Part 1

Format	Color
Hex	926BD8
RGB	146, 107, 216
RGB Percent	57%, 42%, 85%
CMY	0.4277, 0.5803, 0.1529
CMYK	0.32, 0.50, 0.00, 0.15
HSL	261°, 58%, 63%
HSV	261°, 50%, 85%
XYZ	29.4989, 21.5843, 67.5770
YIQ	131.0870, -11.7450, 42.1670

Conversions

Conversions Part 2

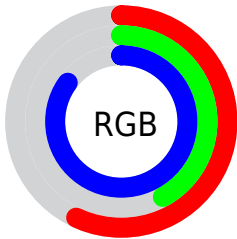
Format	Color
R_{YB}	146, 107, 216
Decimal	9595864
CIE _{Lab}	53.58, 38.60, -50.63
CIE _{LCh}	54, 63.664, 307.322
Yxy	21.5843, 0.2486, 0.1819
Android (android.graphics.Color)	4287785944 (0xFF926BD8)
YUV	131.0870, 41.8621, 13.0787
Hunter-Lab	46.4589, 32.0349, -53.7193

Details

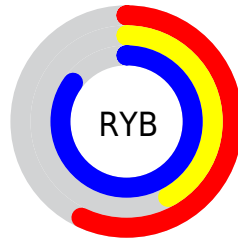
The Yxy color **21.5843, 0.2486, 0.1819** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **59.5307, 0.3546, 0.4654**, and the grayscale version is **22.5804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7128, 0.2752, 0.2234**, and **7.7883, 0.2251, 0.1440** is the 20% darker color. If you saturate the color by 10%, you get **16.4328, 0.2324, 0.1515**, and if you desaturate by 10%, it is **28.0168, 0.2641, 0.2135**.

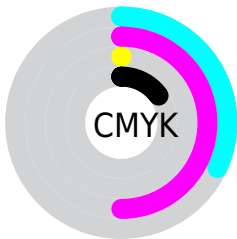
Distribution



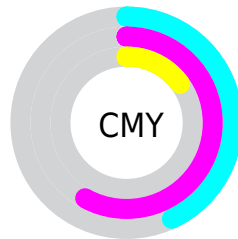
- Red (57%)
- Green (42%)
- Blue (85%)



- Red (57%)
- Yellow (42%)
- Blue (85%)



- Cyan (32%)
- Magenta (50%)
- Yellow (0%)
- Black (15%)




- Cyan (43%)
- Magenta (58%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5843, 0.2486, 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 21.5843, 0.2486, 0.1819 by changing the saturation by 10% instead.


 21.5843, 0.2486,
0.1819


 21.5843, 0.2486,
0.1819


260.3676, 0.2851,
0.2547


 13.5518, 0.2384,
0.1648


 46.0580, 0.2628,
0.2077


 7.8096, 0.2247,
0.1437


 63.2679, 0.2678,
0.2176

 3.9733, 0.2060,
0.1176


 84.3057, 0.2720,
0.2261

 1.6587, 0.1794,
0.0854

 109.5559, 0.2755,
0.2334

 0.3967, 0.1416,
0.0397

139.4028, 0.2785,
0.2398

 0.0000, 0.0609,
0.0000

174.2308, 0.2810,

 0.0000, 0.0000,

0.2453

0.0000

214.4243, 0.2832,
0.2503

■ 21.5843, 0.2486,
0.1819

■ 21.5843, 0.2486,
0.1819

■ 16.4328, 0.2324,
0.1515

■ 28.0168, 0.2641,
0.2135

■ 12.4691, 0.2162,
0.1242

■ 35.8096, 0.2785,
0.2448

■ 9.5904, 0.2010,
0.1016


■ 45.0385, 0.2913,
0.2747

■ 7.6746, 0.1876,
0.0851

■ 55.7726, 0.3026,
0.3025

■ 6.5416, 0.1769,
0.0748

■ 68.0768, 0.3123,
0.3279

 82.0119, 0.3206,
0.3507

 95.5587, 0.3280,
0.3680

 97.7379, 0.3358,
0.3671

Harmonies

Analogous

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



21.5843, 0.1745, 0.1694



21.5843, 0.2486, 0.1819



21.5843, 0.3589, 0.2208

Triad

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



21.5843, 0.2486, 0.1819



21.5843, 0.5125, 0.4259



21.5843, 0.1675, 0.3581

Complementary

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



21.5843, 0.2486, 0.1819



59.5307, 0.3546, 0.4654

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.



21.5843, 0.2420, 0.4897



21.5843, 0.2486, 0.1819



21.5843, 0.4397, 0.5022

Square

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



21.5843, 0.2486, 0.1819



21.5843, 0.5311, 0.3500



21.5843, 0.3419, 0.5438



21.5843, 0.1344, 0.2463

Rectangle

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



21.5843, 0.2486, 0.1819



21.5843, 0.4380, 0.2588



21.5843, 0.3419, 0.5438



21.5843, 0.1879, 0.4041

Sweetspot

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



21.5851, 0.2486, 0.1819



73.6080, 0.2975, 0.2898



39.8704, 0.2368, 0.2748



15.0510, 0.2951, 0.2838



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



21.5851, 0.2486, 0.1819



23.1981, 0.2306, 0.1483



27.7109, 0.3016, 0.2019



12.2223, 0.3037, 0.3053



3.9272, 0.1784, 0.0757



0.2827, 0.1980, 0.0864

Inverse Universe

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



28.2977, 0.3619, 0.2466



34.4135, 0.3778, 0.2317



54.4126, 0.3152, 0.4841



12.5539, 0.3192, 0.3141



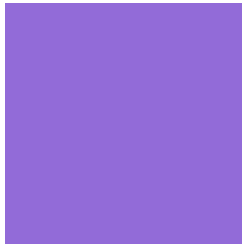
9.7632, 0.4359, 0.2175



0.6044, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 21.5843, 0.2486, 0.1819 looks on a white background.

Color Contrast Check

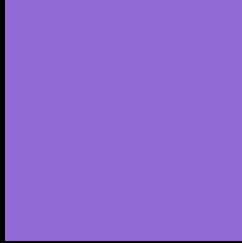
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.5843, 0.2486, 0.1819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

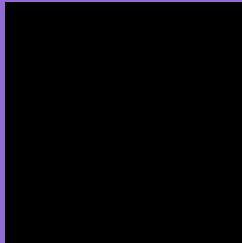
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5843, 0.2486, 0.1819

Background



This preview shows how black text looks on a background with the Yxy color 21.5843, 0.2486, 0.1819.



This preview shows how white text looks on a background with the Yxy color 21.5843, 0.2486, 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

21.5843, 0.2486, 0.1819

Protanopia

21.7543, 0.1956, 0.1720

Deuteranopia

21.8595, 0.2059, 0.2006



Tritanopia

21.4451, 0.3065, 0.3114

Trichromacy



Original Color

21.5843, 0.2486, 0.1819

Protanomaly

21.2122, 0.2094, 0.1735

Deuteranomaly

21.1882, 0.2170, 0.1908

Tritanomaly

21.1445, 0.2832, 0.2544

Monochromacy



Original Color

21.5843, 0.2486, 0.1819

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.7619, 0.2864, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5843, 0.2486, 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(146, 107, 216)` looks like.

```
.text, #text, p{  
    color:rgb(146, 107, 216)  
}
```

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(146, 107, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 107, 216) }
```

Border

The CSS property to change the border of an element to Yxy 21.5843, 0.2486, 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(146, 107, 216) }
```

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

```
.border{ border-color:rgb(146, 107, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 107, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 107, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 107, 216);  
box-shadow:4px 4px 4px 4px rgb(146, 107,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5843, 0.2486, 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(146, 107, 216) }
```

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

```
.background{ background-color: rgb(146,  
107, 216) }
```

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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