

Converting Colors

$Y_{xy}(21.3785, 0.2493, 0.1842)$

Have a look what the booklet for
Yxy(21.3785, 0.2493, 0.1842)
contains.

Yxy(21.3392, 0.2499, 0.1842)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.3392, 0.2499, 0.1842)

Conversions

Conversions Part 1

Format	Color
Hex	916BD5
RGB	145, 107, 213
RGB Percent	57%, 42%, 84%
CMY	0.4313, 0.5804, 0.1646
CMYK	0.32, 0.50, 0.00, 0.16
HSL	262°, 56%, 63%
HSV	262°, 50%, 84%
XYZ	28.9504, 21.3392, 65.5584
YIQ	130.4460, -11.3780, 41.0220

Conversions

Conversions Part 2

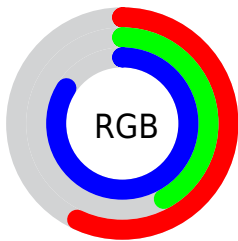
Format	Color
R _Y B	145, 107, 213
Decimal	9530325
CIE Lab	53.32, 37.63, -49.37
CIE LCh	53, 62.073, 307.314
Yxy	21.3392, 0.2499, 0.1842
Android (android.graphics.Color)	4287720405 (0xFF916BD5)
YUV	130.4460, 40.6991, 12.7639
Hunter-Lab	46.1944, 31.0273, -51.8074

Details

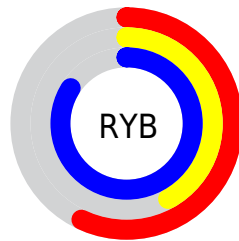
The Yxy color **21.3392, 0.2499, 0.1842** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **57.7728, 0.3541, 0.4635**, and the grayscale version is **22.3461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4338, 0.2737, 0.2230**, and **7.6684, 0.2255, 0.1453** is the 20% darker color. If you saturate the color by 10%, you get **16.2652, 0.2338, 0.1537**, and if you desaturate by 10%, it is **27.6579, 0.2653, 0.2158**.

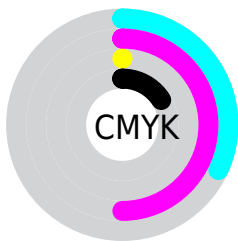
Distribution



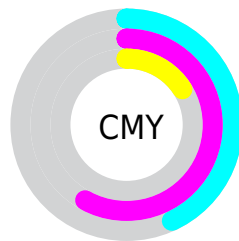
- Red (57%)
- Green (42%)
- Blue (84%)



- Red (57%)
- Yellow (42%)
- Blue (84%)



- Cyan (32%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)





- Cyan (43%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3392, 0.2499, 0.1842 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 21.3392, 0.2499, 0.1842 by changing the saturation by 10% instead.


 21.3392, 0.2499,
0.1842


 21.3392, 0.2499,
0.1842


259.0757, 0.2858,
0.2562


 13.3722, 0.2398,
0.1671


 45.6514, 0.2639,
0.2099


 7.6853, 0.2263,
0.1460


 62.7653, 0.2688,
0.2197

 3.8943, 0.2076,
0.1197


 83.6970, 0.2729,
0.2281

 1.6146, 0.1809,
0.0871

 108.8309, 0.2764,
0.2353

 0.3674, 0.1429,
0.0391

138.5513, 0.2793,
0.2415

 0.0000, 0.0535,
0.0000

173.2426, 0.2817,

 0.0000, 0.0000,

0.2470

0.0000

213.2893, 0.2839,
0.2519

■ 21.3392, 0.2499,
0.1842

■ 21.3392, 0.2499,
0.1842

■ 16.2652, 0.2338,
0.1537

■ 27.6579, 0.2653,
0.2158

■ 12.3464, 0.2176,
0.1261

■ 35.2975, 0.2795,
0.2470

■ 9.4847, 0.2023,
0.1032

■ 44.3306, 0.2922,
0.2767

■ 7.5637, 0.1888,
0.0863

■ 54.8238, 0.3033,
0.3044

■ 6.3820, 0.1775,
0.0752

■ 66.8394, 0.3129,
0.3295

6.3592, 0.1772,
0.0750

80.4360, 0.3211,
0.3522

94.9639, 0.3281,
0.3713

97.4540, 0.3371,
0.3701

97.5852, 0.3375,
0.3700

Harmonies

Analogous

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



21.3392, 0.1768, 0.1720



21.3392, 0.2499, 0.1842



21.3392, 0.3581, 0.2226

Triad

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



21.3392, 0.2499, 0.1842



21.3392, 0.5093, 0.4253



21.3392, 0.1702, 0.3578

Complementary

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



21.3392, 0.2499, 0.1842



57.7728, 0.3541, 0.4635

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.



21.3392, 0.2438, 0.4857



21.3392, 0.2499, 0.1842



21.3392, 0.4383, 0.4997

Square

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



21.3392, 0.2499, 0.1842



21.3392, 0.5269, 0.3504



21.3392, 0.3422, 0.5391



21.3392, 0.1373, 0.2483

Rectangle

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



21.3392, 0.2499, 0.1842



21.3392, 0.4354, 0.2602



21.3392, 0.3422, 0.5391



21.3392, 0.1904, 0.4025

Sweetspot

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



21.3400, 0.2499, 0.1842



73.6182, 0.2975, 0.2898



38.9455, 0.2378, 0.2757



15.0535, 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.



21.3400, 0.2499, 0.1842



23.8798, 0.2324, 0.1513



27.2039, 0.3018, 0.2036



12.2233, 0.3037, 0.3053



3.9360, 0.1787, 0.0758



0.2833, 0.1983, 0.0866

Inverse Universe

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



27.7564, 0.3612, 0.2479



34.9380, 0.3766, 0.2332



52.8640, 0.3153, 0.4817



12.5535, 0.3192, 0.3142



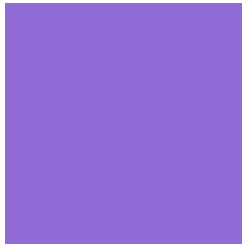
9.7572, 0.4366, 0.2179



0.6041, 0.4115, 0.2040

Previews

White Background



This preview shows how the Yxy color 21.3392, 0.2499, 0.1842 looks on a white background.

Color Contrast Check

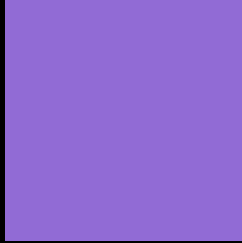
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3392, 0.2499, 0.1842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

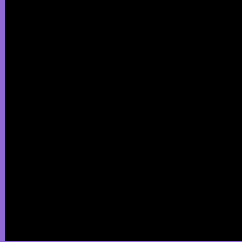
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3392, 0.2499, 0.1842

Background



This preview shows how black text looks on a background with the Yxy color 21.3392, 0.2499, 0.1842.



This preview shows how white text looks on a background with the Yxy color 21.3392, 0.2499, 0.1842.

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

21.3392, 0.2499, 0.1842

Protanopia

21.6089, 0.1979, 0.1757

Deuteranopia

21.6196, 0.2079, 0.2016



Tritanopia

21.4451, 0.3065, 0.3114

Trichromacy



Original Color

21.3392, 0.2499, 0.1842



Protanomaly

21.0513, 0.2119, 0.1773



Deuteranomaly

20.9109, 0.2196, 0.1927



Tritanomaly

21.0249, 0.2831, 0.2556

Monochromacy



Original Color

21.3392, 0.2499, 0.1842



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.6080, 0.2872, 0.2664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3392, 0.2499, 0.1842 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(145, 107, 213)` looks like.

```
.text, #text, p{  
    color:rgb(145, 107, 213)  
}
```

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(145, 107, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 107, 213) }
```

Border

The CSS property to change the border of an element to Yxy 21.3392, 0.2499, 0.1842 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(145, 107, 213) }
```

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

```
.border{ border-color:rgb(145, 107, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 107, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 107, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 107, 213);  
box-shadow:4px 4px 4px 4px rgb(145, 107,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3392, 0.2499, 0.1842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 107, 213) }
```

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

```
.background{ background-color: rgb(145,  
107, 213) }
```

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