

Converting Colors

$Y_{xy}(21.7465, 0.2488, 0.1861)$

Have a look what the booklet for
Yxy(21.7465, 0.2488, 0.1861)
contains.

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Color

Yxy(21.7216, 0.2486, 0.1855)

Conversions

Conversions Part 1

Format	Color
Hex	906DD6
RGB	144, 109, 214
RGB Percent	56%, 43%, 84%
CMY	0.4352, 0.5726, 0.1608
CMYK	0.33, 0.49, 0.00, 0.16
HSL	260°, 56%, 63%
HSV	260°, 49%, 84%
XYZ	29.1105, 21.7216, 66.2655
YIQ	131.4350, -12.8450, 40.0750

Conversions

Conversions Part 2

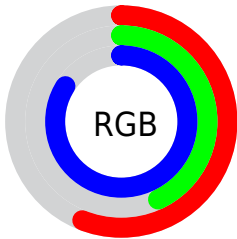
Format	Color
RYB	144, 109, 214
Decimal	9465302
CIELab	53.73, 36.47, -49.26
CIELCh	54, 61.295, 306.514
Yxy	21.7216, 0.2486, 0.1855
Android (android.graphics.Color)	4287655382 (0xFF906DD6)
YUV	131.4350, 40.7045, 11.0195
Hunter-Lab	46.6064, 29.9301, -51.6746

Details

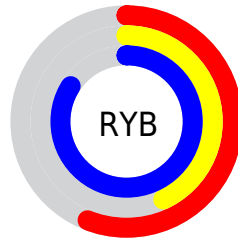
The Yxy color **21.7216, 0.2486, 0.1855** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **58.7654, 0.3557, 0.4607**, and the grayscale version is **22.7171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9891, 0.2730, 0.2249**, and **7.8588, 0.2240, 0.1468** is the 20% darker color. If you saturate the color by 10%, you get **16.4956, 0.2320, 0.1545**, and if you desaturate by 10%, it is **28.2224, 0.2645, 0.2174**.

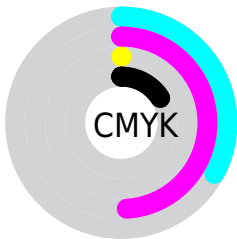
Distribution



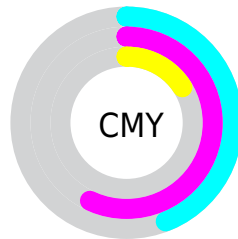
- Red (56%)
- Green (43%)
- Blue (84%)



- Red (56%)
- Yellow (43%)
- Blue (84%)



- Cyan (33%)
- Magenta (49%)
- Yellow (0%)
- Black (16%)





- Cyan (44%)
- Magenta (57%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7216, 0.2486, 0.1855 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 21.7216, 0.2486, 0.1855 by changing the saturation by 10% instead.


 21.7216, 0.2486,
0.1855


 21.7216, 0.2486,
0.1855


261.0889, 0.2850,
0.2568


 13.6525, 0.2384,
0.1686


 46.2854, 0.2627,
0.2109


 7.8794, 0.2248,
0.1476


 63.5489, 0.2678,
0.2207

 4.0178, 0.2061,
0.1215


 84.6460, 0.2719,
0.2289

 1.6836, 0.1795,
0.0891

 109.9611, 0.2754,
0.2361

 0.4130, 0.1415,
0.0428

139.8785, 0.2784,
0.2423

 0.0000, 0.0556,
0.0000

174.7827, 0.2809,

 0.0000, 0.0000,

0.2477

0.0000

215.0580, 0.2831,
0.2526

■ 21.7216, 0.2486,
0.1855

■ 21.7216, 0.2486,
0.1855

■ 16.4956, 0.2320,
0.1545

■ 28.2224, 0.2645,
0.2174

■ 12.4540, 0.2154,
0.1263

■ 36.0751, 0.2791,
0.2488

■ 9.4978, 0.1998,
0.1028


■ 45.3534, 0.2922,
0.2786

■ 7.5098, 0.1860,
0.0853

■ 56.1249, 0.3037,
0.3062

■ 6.3046, 0.1747,
0.0740

■ 68.4528, 0.3136,
0.3312

 6.2099, 0.1737,
0.0731

 82.3966, 0.3220,
0.3537

 95.5766, 0.3296,
0.3700

 97.6342, 0.3370,
0.3691

Harmonies

Analogous

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



21.7216, 0.1773, 0.1742



21.7216, 0.2486, 0.1855



21.7216, 0.3544, 0.2229

Triad

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



21.7216, 0.2486, 0.1855



21.7216, 0.5079, 0.4227



21.7216, 0.1739, 0.3609

Complementary

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



21.7216, 0.2486, 0.1855



58.7654, 0.3557, 0.4607

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.



21.7216, 0.2477, 0.4851



21.7216, 0.2486, 0.1855



21.7216, 0.4393, 0.4958

Square

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



21.7216, 0.2486, 0.1855



21.7216, 0.5228, 0.3488



21.7216, 0.3450, 0.5351



21.7216, 0.1401, 0.2521

Rectangle

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



21.7216, 0.2486, 0.1855



21.7216, 0.4304, 0.2597



21.7216, 0.3450, 0.5351



21.7216, 0.1943, 0.4047

Sweetspot

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



21.7224, 0.2486, 0.1855



73.4601, 0.2969, 0.2897



40.3398, 0.2392, 0.2792



15.0157, 0.2944, 0.2837



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.



21.7224, 0.2486, 0.1855



24.1773, 0.2311, 0.1530



27.5908, 0.3002, 0.2046



12.2080, 0.3033, 0.3053



3.8052, 0.1751, 0.0738



0.2742, 0.1945, 0.0845

Inverse Universe

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



28.4815, 0.3570, 0.2461



35.6690, 0.3707, 0.2310



53.6619, 0.3165, 0.4787



12.5589, 0.3188, 0.3136



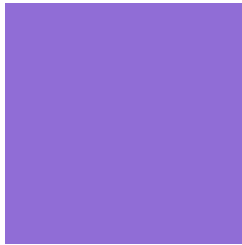
9.8520, 0.4268, 0.2125



0.6093, 0.4040, 0.1999

Previews

White Background



This preview shows how the Yxy color 21.7216, 0.2486, 0.1855 looks on a white background.

Color Contrast Check

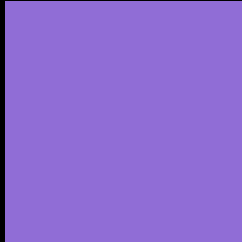
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7216, 0.2486, 0.1855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

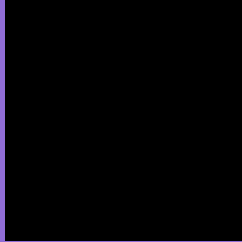
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7216, 0.2486, 0.1855

Background



This preview shows how black text looks on a background with the Yxy color 21.7216, 0.2486, 0.1855.



This preview shows how white text looks on a background with the Yxy color 21.7216, 0.2486, 0.1855.

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

21.7216, 0.2486, 0.1855

Protanopia

21.9866, 0.1996, 0.1777

Deuteranopia

21.9734, 0.2083, 0.2023



Tritanopia

21.5741, 0.3031, 0.3113

Trichromacy



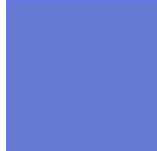
Original Color

21.7216, 0.2486, 0.1855



Protanomaly

21.4590, 0.2130, 0.1782



Deuteranomaly

21.4470, 0.2197, 0.1947



Tritanomaly

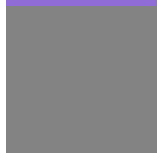
21.2179, 0.2811, 0.2556

Monochromacy



Original Color

21.7216, 0.2486, 0.1855



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.9734, 0.2874, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7216, 0.2486, 0.1855 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(144, 109, 214)` looks like.

```
.text, #text, p{  
    color:rgb(144, 109, 214)  
}
```

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(144, 109, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 109, 214) }
```

Border

The CSS property to change the border of an element to Yxy 21.7216, 0.2486, 0.1855 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(144, 109, 214) }
```

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

```
.border{ border-color:rgb(144, 109, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 109, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 109, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 109, 214);  
box-shadow:4px 4px 4px 4px rgb(144, 109,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7216, 0.2486, 0.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 109, 214) }
```

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

```
.background{ background-color: rgb(144,  
109, 214) }
```

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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