

Converting Colors

$Y_{xy}(21.4852, 0.2686, 0.1801)$

Have a look what the booklet for
Yxy(21.4852, 0.2686, 0.1801)
contains.

Yxy(21.5114, 0.2684, 0.1797)	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(21.5114, 0.2684, 0.1797)

Conversions

Conversions Part 1

Format	Color
Hex	A661D6
RGB	166, 97, 214
RGB Percent	65%, 38%, 84%
CMY	0.3492, 0.6195, 0.1608
CMYK	0.22, 0.55, 0.00, 0.16
HSL	275°, 59%, 61%
HSV	275°, 55%, 84%
XYZ	32.1294, 21.5114, 66.0665
YIQ	130.9690, 3.5670, 51.0150

Conversions

Conversions Part 2

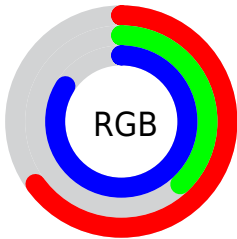
Format	Color
R _Y B	166, 97, 214
Decimal	10904022
CIE _{Lab}	53.50, 48.71, -49.48
CIE _{LCh}	54, 69.438, 314.552
Yxy	21.5114, 0.2684, 0.1797
Android (android.graphics.Color)	4289094102 (0xFFA661D6)
YUV	130.9690, 40.9343, 30.7222
Hunter-Lab	46.3804, 42.4880, -51.9893

Details

The Yxy color **21.5114, 0.2684, 0.1797** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **54.9745, 0.3359, 0.4874**, and the grayscale version is **22.5374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7207, 0.2908, 0.2190**, and **7.8367, 0.2498, 0.1419** is the 20% darker color. If you saturate the color by 10%, you get **17.1582, 0.2575, 0.1543**, and if you desaturate by 10%, it is **26.9976, 0.2787, 0.2074**.

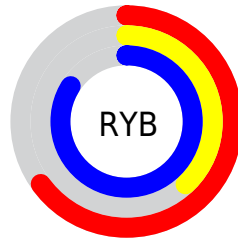
Distribution



Red (65%)

Green (38%)

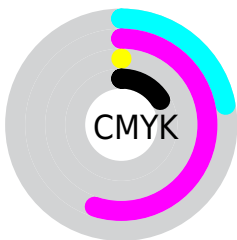
Blue (84%)



Red (65%)

Yellow (38%)

Blue (84%)

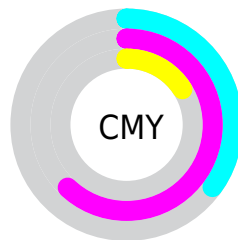


Cyan (22%)

Magenta (55%)

Yellow (0%)

Black (16%)



Cyan (35%)


Magenta (62%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5114, 0.2684, 0.1797 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 21.5114, 0.2684, 0.1797 by changing the saturation by 10% instead.


 21.5114, 0.2684,
0.1797


 21.5114, 0.2684,
0.1797


259.9840, 0.2950,
0.2528


 13.4983, 0.2605,
0.1627

 45.9371, 0.2791,
0.2055

 7.7726, 0.2497,
0.1418


 63.1185, 0.2828,
0.2155

 3.9498, 0.2344,
0.1159


 84.1249, 0.2858,
0.2240

 1.6455, 0.2118,
0.0842

 109.3405, 0.2883,
0.2313

 0.3880, 0.1784,
0.0389

139.1498, 0.2904,
0.2377

 0.0000, 0.1151,
0.0000

173.9373, 0.2922,

 0.0000, 0.0000,

0.2434

0.0000

214.0872, 0.2937,
0.2483

■ 21.5114, 0.2684,
0.1797

■ 21.5114, 0.2684,
0.1797

■ 17.1582, 0.2575,
0.1543

■ 26.9976, 0.2787,
0.2074

■ 13.8462, 0.2463,
0.1325

■ 33.6937, 0.2882,
0.2360

■ 11.4732, 0.2354,
0.1153

■ 41.6725, 0.2966,
0.2644

■ 9.9136, 0.2252,
0.1034

■ 51.0003, 0.3039,
0.2918

■ 9.2981, 0.2200,
0.0985

■ 61.7388, 0.3101,
0.3176

■ 73.9456, 0.3154,
0.3415

■ 87.6753, 0.3198,
0.3633

■ 94.2514, 0.3247,
0.3707

■ 95.7950, 0.3304,
0.3699

Harmonies

Analogous

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



21.5114, 0.1797, 0.1596



21.5114, 0.2684, 0.1797



21.5114, 0.3942, 0.2265

Triad

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



21.5114, 0.2684, 0.1797



21.5114, 0.5098, 0.4482



21.5114, 0.1440, 0.3246

Complementary

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



21.5114, 0.2684, 0.1797



54.9745, 0.3359, 0.4874

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.



21.5114, 0.2116, 0.4754



21.5114, 0.2684, 0.1797



21.5114, 0.4209, 0.5302

Square

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



21.5114, 0.2684, 0.1797



21.5114, 0.5505, 0.3662



21.5114, 0.3138, 0.5623



21.5114, 0.1207, 0.2182

Rectangle

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



21.5114, 0.2684, 0.1797



21.5114, 0.4768, 0.2689



21.5114, 0.3138, 0.5623



21.5114, 0.1614, 0.3734

Sweetspot

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



21.5122, 0.2684, 0.1797



73.6340, 0.3029, 0.2878



27.8824, 0.2225, 0.2272



15.1209, 0.3014, 0.2822



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.



21.5122, 0.2684, 0.1797



24.4125, 0.2553, 0.1496



27.2206, 0.3292, 0.2087



12.3667, 0.3073, 0.3056



5.6832, 0.2213, 0.0993



0.3907, 0.2382, 0.1086

Inverse Universe

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



24.8958, 0.4049, 0.2716



30.4220, 0.4378, 0.2632



51.6856, 0.2998, 0.4901



12.5045, 0.3227, 0.3195



9.0853, 0.5321, 0.2705



0.5642, 0.4871, 0.2457

Previews

White Background



This preview shows how the Yxy color 21.5114, 0.2684, 0.1797 looks on a white background.

Color Contrast Check

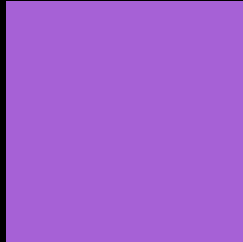
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5114, 0.2684, 0.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

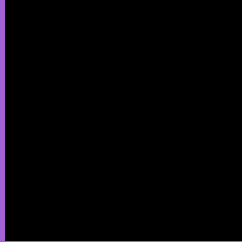
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5114, 0.2684, 0.1797

Background



This preview shows how black text looks on a background with the Yxy color 21.5114, 0.2684, 0.1797.



This preview shows how white text looks on a background with the Yxy color 21.5114, 0.2684, 0.1797.

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

21.5114, 0.2684, 0.1797

Protanopia

21.9244, 0.1899, 0.1644

Deuteranopia

21.9601, 0.2102, 0.2048



Tritanopia

21.4276, 0.3438, 0.3142

Trichromacy



Original Color

21.5114, 0.2684, 0.1797

Protanomaly

20.6289, 0.2078, 0.1653

Deuteranomaly

20.7552, 0.2252, 0.1904

Tritanomaly

21.0402, 0.3137, 0.2554

Monochromacy



Original Color

21.5114, 0.2684, 0.1797

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.6962, 0.2961, 0.2619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5114, 0.2684, 0.1797 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(166, 97, 214)` looks like.

```
.text, #text, p{  
    color:rgb(166, 97, 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(166, 97, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 97, 214) }
```

Border

The CSS property to change the border of an element to Yxy 21.5114, 0.2684, 0.1797 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(166, 97, 214) }
```

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

```
.border{ border-color:rgb(166, 97, 214) }
```

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

Here you see how a box with a 4 pixel rgb(166, 97, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 97, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 97, 214);  
box-shadow:4px 4px 4px 4px rgb(166, 97,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5114, 0.2684, 0.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 97, 214) }
```

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

```
.background{ background-color: rgb(166, 97,  
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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