

Converting Colors

$Y_{xy}(21.5745, 0.2394, 0.1759)$

Have a look what the booklet for
Yxy(21.5745, 0.2394, 0.1759)
contains.

Yxy(21.5745, 0.2394, 0.1759)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5745, 0.2394, 0.1759)

Conversions

Conversions Part 1

Format	Color
Hex	8C6CDE
RGB	140, 108, 222
RGB Percent	55%, 42%, 87%
CMY	0.4509, 0.5765, 0.1295
CMYK	0.37, 0.51, 0.00, 0.13
HSL	257°, 63%, 65%
HSV	257°, 51%, 87%
XYZ	29.3629, 21.5745, 71.7147
YIQ	130.5640, -17.5220, 42.2380

Conversions

Conversions Part 2

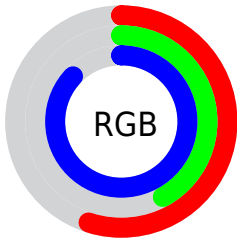
Format	Color
R_{YB}	140, 108, 222
Decimal	9202910
CIE _{Lab}	53.57, 38.12, -54.06
CIE _{LCh}	54, 66.150, 305.192
Yxy	21.5745, 0.2394, 0.1759
Android (android.graphics.Color)	4287392990 (0xFF8C6CDE)
YUV	130.5640, 45.0779, 8.2754
Hunter-Lab	46.4484, 31.5564, -59.0279

Details

The Yxy color **21.5745, 0.2394, 0.1759** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **64.2618, 0.3620, 0.4648**, and the grayscale version is **22.3763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2319, 0.2707, 0.2232**, and **7.7659, 0.2131, 0.1367** is the 20% darker color. If you saturate the color by 10%, you get **16.1862, 0.2217, 0.1446**, and if you desaturate by 10%, it is **28.3574, 0.2566, 0.2085**.

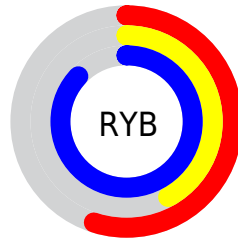
Distribution



Red (55%)

Green (42%)

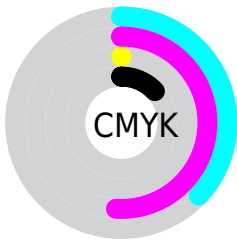
Blue (87%)



Red (55%)

Yellow (42%)

Blue (87%)

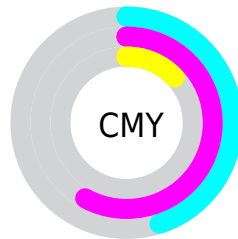


Cyan (37%)

Magenta (51%)

Yellow (0%)

Black (13%)



Cyan (45%)

Magenta (58%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5745, 0.2394, 0.1759 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 21.5745, 0.2394, 0.1759 by changing the saturation by 10% instead.

■ 21.5745, 0.2394,
0.1759

■ 21.5745, 0.2394,
0.1759

260.3161, 0.2806,
0.2511

■ 13.5446, 0.2281,
0.1584

■ 46.0417, 0.2552,
0.2024

■ 7.8046, 0.2133,
0.1371

■ 63.2478, 0.2609,
0.2127

■ 3.9702, 0.1932,
0.1110

■ 84.2814, 0.2656,
0.2214

■ 1.6569, 0.1653,
0.0793

■ 109.5270, 0.2696,
0.2290

■ 0.3955, 0.1270,
0.0359

139.3688, 0.2730,
0.2356

■ 0.0000, 0.0505,
0.0000

174.1913, 0.2759,

■ 0.0000, 0.0000,

0.2414

0.0000

214.3790, 0.2784,
0.2465

■ 21.5745, 0.2394,
0.1759

■ 21.5745, 0.2394,
0.1759

■ 16.1862, 0.2217,
0.1446

■ 28.3574, 0.2566,
0.2085

■ 12.0892, 0.2045,
0.1167

■ 36.6232, 0.2727,
0.2408

■ 9.1690, 0.1889,
0.0941

■ 46.4558, 0.2873,
0.2715

■ 7.2892, 0.1758,
0.0781


■ 57.9317, 0.3002,
0.3000

■ 6.3088, 0.1669,
0.0693

■ 71.1226, 0.3113,
0.3257

 86.0959, 0.3209,
0.3488

 97.4441, 0.3300,
0.3614

 98.0533, 0.3322,
0.3611

Harmonies

Analogous

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



21.5745, 0.1665, 0.1651



21.5745, 0.2394, 0.1759



21.5745, 0.3514, 0.2138

Triad

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



21.5745, 0.2394, 0.1759



21.5745, 0.5219, 0.4210



21.5745, 0.1665, 0.3688

Complementary

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



21.5745, 0.2394, 0.1759



64.2618, 0.3620, 0.4648

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.



21.5745, 0.2455, 0.5049



21.5745, 0.2394, 0.1759



21.5745, 0.4486, 0.5014

Square

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



21.5745, 0.2394, 0.1759



21.5745, 0.5373, 0.3438



21.5745, 0.3487, 0.5517



21.5745, 0.1304, 0.2490

Rectangle

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



21.5745, 0.2394, 0.1759



21.5745, 0.4343, 0.2518



21.5745, 0.3487, 0.5517



21.5745, 0.1884, 0.4173

Sweetspot

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



21.5753, 0.2394, 0.1759



73.1283, 0.2955, 0.2896



45.9811, 0.2382, 0.2873



14.9364, 0.2928, 0.2835



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.



21.5753, 0.2394, 0.1759



21.4407, 0.2197, 0.1413



27.6525, 0.2917, 0.1960



13.4287, 0.3024, 0.3051



3.7961, 0.1682, 0.0700



0.3074, 0.1845, 0.0790

Inverse Universe

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



29.9690, 0.3529, 0.2362



34.4736, 0.3651, 0.2200



58.4361, 0.3213, 0.4845



13.8665, 0.3180, 0.3123



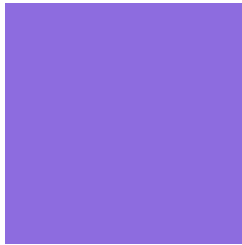
10.7443, 0.4071, 0.2016



0.7598, 0.3908, 0.1926

Previews

White Background



This preview shows how the Yxy color 21.5745, 0.2394, 0.1759 looks on a white background.

Color Contrast Check

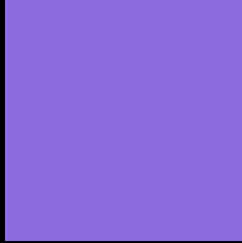
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5745, 0.2394, 0.1759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

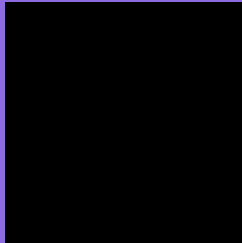
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5745, 0.2394, 0.1759

Background



This preview shows how black text looks on a background with the Yxy color 21.5745, 0.2394, 0.1759.



This preview shows how white text looks on a background with the Yxy color 21.5745, 0.2394, 0.1759.

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

21.5745, 0.2394, 0.1759

Protanopia

21.8173, 0.1916, 0.1670

Deuteranopia

21.7670, 0.1987, 0.1929



Tritanopia

21.4400, 0.2943, 0.3092

Trichromacy



Original Color

21.5745, 0.2394, 0.1759

Protanomaly

21.1627, 0.2038, 0.1681

Deuteranomaly

21.0134, 0.2086, 0.1831

Tritanomaly

21.2064, 0.2722, 0.2505

Monochromacy



Original Color

21.5745, 0.2394, 0.1759

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9146, 0.2824, 0.2620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5745, 0.2394, 0.1759 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(140, 108, 222)` looks like.

```
.text, #text, p{  
    color:rgb(140, 108, 222)  
}
```

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(140, 108, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 108, 222) }
```

Border

The CSS property to change the border of an element to Yxy 21.5745, 0.2394, 0.1759 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(140, 108, 222) }
```

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

```
.border{ border-color:rgb(140, 108, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 108, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 108, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 108, 222);  
box-shadow:4px 4px 4px 4px rgb(140, 108,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5745, 0.2394, 0.1759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 108, 222) }
```

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

```
.background{ background-color: rgb(140,  
108, 222) }
```

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