

Converting Colors

$Y_{xy}(21.7984, 0.2354, 0.1709)$

Have a look what the booklet for
Yxy(21.7984, 0.2354, 0.1709)
contains.

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Color

Yxy(21.9020, 0.2356, 0.1710)

Conversions

Conversions Part 1

Format	Color
Hex	8C6CE4
RGB	140, 108, 228
RGB Percent	55%, 42%, 89%
CMY	0.4510, 0.5764, 0.1061
CMYK	0.39, 0.53, 0.00, 0.11
HSL	256°, 69%, 66%
HSV	256°, 53%, 89%
XYZ	30.1761, 21.9020, 76.0038
YIQ	131.2480, -19.4480, 44.1040

Conversions

Conversions Part 2

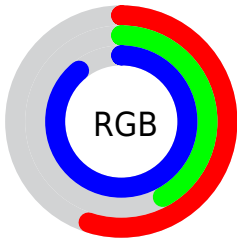
Format	Color
R _Y B	140, 108, 228
Decimal	9202916
CIE Lab	53.92, 39.71, -56.86
CIE LCh	54, 69.349, 304.928
Yxy	21.9020, 0.2356, 0.1710
Android (android.graphics.Color)	4287392996 (0xFF8C6CE4)
YUV	131.2480, 47.6987, 7.6755
Hunter-Lab	46.7996, 33.1965, -63.5289

Details

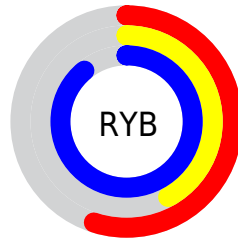
The Yxy color **21.9020, 0.2356, 0.1710** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **68.2777, 0.3643, 0.4675**, and the grayscale version is **22.6231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2319, 0.2707, 0.2232**, and **7.9455, 0.2082, 0.1315** is the 20% darker color. If you saturate the color by 10%, you get **16.3625, 0.2177, 0.1398**, and if you desaturate by 10%, it is **28.9204, 0.2532, 0.2038**.

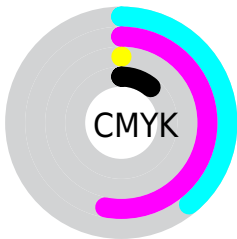
Distribution



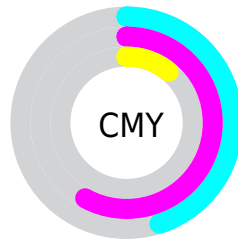
- Red (55%)
- Green (42%)
- Blue (89%)



- Red (55%)
- Yellow (42%)
- Blue (89%)



- Cyan (39%)
- Magenta (53%)
- Yellow (0%)
- Black (11%)





- Cyan (45%)
- Magenta (58%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9020, 0.2356, 0.1710 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 21.9020, 0.2356, 0.1710 by changing the saturation by 10% instead.


 21.9020, 0.2356,
0.1710


 21.9020, 0.2356,
0.1710


262.0341, 0.2786,
0.2478


 13.7849, 0.2240,
0.1534

 46.5840, 0.2520,
0.1979


 7.9712, 0.2088,
0.1322


 63.9176, 0.2580,
0.2083

 4.0765, 0.1885,
0.1064


 85.0923, 0.2629,
0.2173

 1.7165, 0.1606,
0.0755

 110.4923, 0.2671,
0.2250

 0.4343, 0.1228,
0.0354

140.5021, 0.2706,
0.2318

 0.0000, 0.0565,
0.0000

175.5061, 0.2737,

 0.0000, 0.0000,

0.2378

0.0000

215.8886, 0.2763,
0.2431

■ 21.9020, 0.2356,
0.1710

■ 21.9020, 0.2356,
0.1710

■ 16.3625, 0.2177,
0.1398

■ 28.9204, 0.2532,
0.2038

■ 12.1896, 0.2005,
0.1123

■ 37.5142, 0.2698,
0.2364

■ 9.2578, 0.1851,
0.0904


■ 47.7740, 0.2849,
0.2676


■ 7.4165, 0.1725,
0.0755

■ 59.7830, 0.2983,
0.2964

■ 6.5845, 0.1652,
0.0684

■ 73.6186, 0.3099,
0.3226

 89.3538, 0.3200,
0.3460

 98.3790, 0.3286,
0.3552

Harmonies

Analogous

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



21.9020, 0.1614, 0.1601



21.9020, 0.2356, 0.1710



21.9020, 0.3515, 0.2095

Triad

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



21.9020, 0.2356, 0.1710



21.9020, 0.5288, 0.4209



21.9020, 0.1616, 0.3713

Complementary

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



21.9020, 0.2356, 0.1710



68.2777, 0.3643, 0.4675

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.



21.9020, 0.2427, 0.5148



21.9020, 0.2356, 0.1710



21.9020, 0.4521, 0.5051

Square

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



21.9020, 0.2356, 0.1710



21.9020, 0.5458, 0.3419



21.9020, 0.3490, 0.5609



21.9020, 0.1249, 0.2460

Rectangle

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



21.9020, 0.2356, 0.1710



21.9020, 0.4382, 0.2482



21.9020, 0.3490, 0.5609



21.9020, 0.1840, 0.4226

Sweetspot

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



21.9028, 0.2356, 0.1710



71.4349, 0.2938, 0.2867



48.2553, 0.2365, 0.2860



14.5987, 0.2911, 0.2807



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.



21.9028, 0.2356, 0.1710



20.6224, 0.2163, 0.1375



28.6025, 0.2909, 0.1928



14.0721, 0.3022, 0.3050



3.8532, 0.1665, 0.0691



0.3292, 0.1815, 0.0773

Inverse Universe

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



31.1993, 0.3524, 0.2324



34.0892, 0.3637, 0.2168



61.7803, 0.3213, 0.4890



14.5462, 0.3178, 0.3119



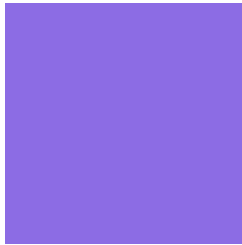
11.1602, 0.4020, 0.1988



0.8399, 0.3875, 0.1908

Previews

White Background



This preview shows how the Yxy color 21.9020, 0.2356, 0.1710 looks on a white background.

Color Contrast Check

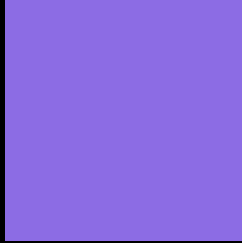
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9020, 0.2356, 0.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

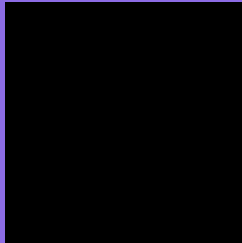
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9020, 0.2356, 0.1710

Background



This preview shows how black text looks on a background with the Yxy color 21.9020, 0.2356, 0.1710.

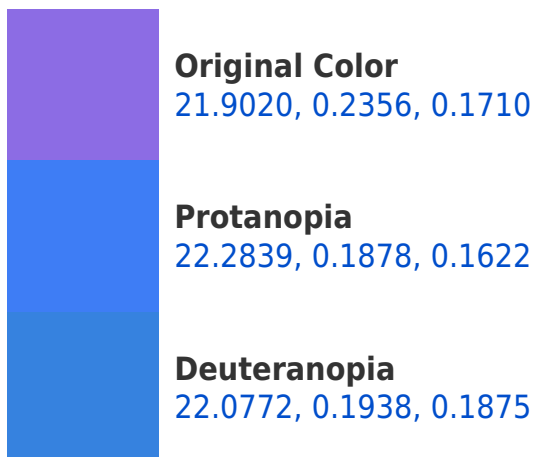


This preview shows how white text looks on a background with the Yxy color 21.9020, 0.2356, 0.1710.

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





Tritanopia

21.8518, 0.2912, 0.3110

Trichromacy



Original Color

21.9020, 0.2356, 0.1710

Protanomaly

21.5993, 0.1993, 0.1631

Deuteranomaly

21.2866, 0.2031, 0.1779

Tritanomaly

21.4097, 0.2677, 0.2475

Monochromacy



Original Color

21.9020, 0.2356, 0.1710

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9874, 0.2805, 0.2591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9020, 0.2356, 0.1710 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(140, 108, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 108, 228) }
```

Border

The CSS property to change the border of an element to Yxy 21.9020, 0.2356, 0.1710 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, 228) }
```

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

```
.border{ border-color:rgb(140, 108, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 108, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 108, 228);  
box-shadow:4px 4px 4px 4px rgb(140, 108,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9020, 0.2356, 0.1710 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, 228) }
```

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

```
.background{ background-color: rgb(140,  
108, 228) }
```

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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