

Converting Colors

$Y_{xy}(21.9315, 0.2177, 0.1649)$

Have a look what the booklet for
Yxy(21.9315, 0.2177, 0.1649)
contains.

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Color

Yxy(21.9313, 0.2176, 0.1650)

Conversions

Conversions Part 1

Format	Color
Hex	7971EC
RGB	121, 113, 236
RGB Percent	47%, 44%, 93%
CMY	0.5258, 0.5568, 0.0745
CMYK	0.49, 0.52, 0.00, 0.07
HSL	244°, 76%, 68%
HSV	244°, 52%, 93%
XYZ	28.9227, 21.9313, 82.0629
YIQ	129.4140, -34.7150, 39.9490

Conversions

Conversions Part 2

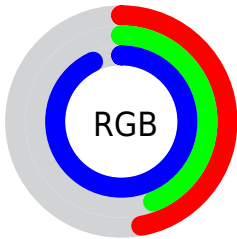
Format	Color
RYB	121, 113, 236
Decimal	7959020
CIELab	53.95, 34.78, -61.40
CIELCh	54, 70.566, 299.531
Yxy	21.9313, 0.2176, 0.1650
Android (android.graphics.Color)	4286149100 (0xFF7971EC)
YUV	129.4140, 52.5469, -7.3791
Hunter-Lab	46.8309, 28.2875, -71.1138

Details

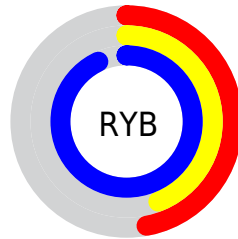
The Yxy color **21.9313, 0.2176, 0.1650** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **77.6905, 0.3826, 0.4573**, and the grayscale version is **21.9249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7140, 0.2579, 0.2251**, and **7.9959, 0.1874, 0.1260** is the 20% darker color. If you saturate the color by 10%, you get **15.9161, 0.1974, 0.1316**, and if you desaturate by 10%, it is **29.6819, 0.2385, 0.2002**.

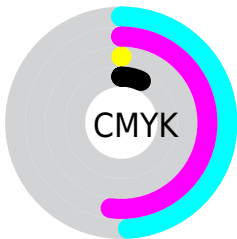
Distribution



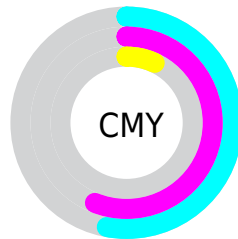
- Red (47%)
- Green (44%)
- Blue (93%)



- Red (47%)
- Yellow (44%)
- Blue (93%)



- Cyan (49%)
- Magenta (52%)
- Yellow (0%)
- Black (7%)





- Cyan (53%)
- Magenta (56%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9313, 0.2176, 0.1650 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 21.9313, 0.2176, 0.1650 by changing the saturation by 10% instead.


 21.9313, 0.2176,
0.1650

 21.9313, 0.2176,
0.1650


262.1873, 0.2693,
0.2444


 13.8064, 0.2042,
0.1471


 46.6324, 0.2369,
0.1926


 7.9862, 0.1871,
0.1256


 63.9775, 0.2440,
0.2034

 4.0861, 0.1648,
0.0998


 85.1647, 0.2500,
0.2127

 1.7218, 0.1354,
0.0696

 110.5785, 0.2550,
0.2207

 0.4377, 0.0975,
0.0318

140.6032, 0.2594,
0.2278

 0.0000, 0.0313,
0.0000

175.6234, 0.2631,

 0.0000, 0.0000,

0.2340

0.0000

216.0233, 0.2664,
0.2395

■ 21.9313, 0.2176,
0.1650

■ 21.9313, 0.2176,
0.1650

■ 15.9161, 0.1974,
0.1316

■ 29.6819, 0.2385,
0.2002

■ 11.5003, 0.1794,
0.1026

■ 39.2854, 0.2588,
0.2349

■ 8.5314, 0.1652,
0.0804

■ 50.8515, 0.2778,
0.2676

■ 6.8260, 0.1557,
0.0665

■ 64.4809, 0.2948,
0.2974

■ 6.1590, 0.1515,
0.0608

■ 80.2673, 0.3098,
0.3238

98.2986, 0.3228,
0.3470

98.8360, 0.3238,
0.3473

Harmonies

Analogous

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



21.9313, 0.1505, 0.1592



21.9313, 0.2176, 0.1650



21.9313, 0.3284, 0.1991

Triad

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



21.9313, 0.2176, 0.1650



21.9313, 0.5402, 0.4060



21.9313, 0.1708, 0.3999

Complementary

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



21.9313, 0.2176, 0.1650



77.6905, 0.3826, 0.4573

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.



21.9313, 0.2596, 0.5370



21.9313, 0.2176, 0.1650



21.9313, 0.4700, 0.4917

Square

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



21.9313, 0.2176, 0.1650



21.9313, 0.5434, 0.3279



21.9313, 0.3683, 0.5596



21.9313, 0.1260, 0.2626

Rectangle

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



21.9313, 0.2176, 0.1650



21.9313, 0.4169, 0.2357



21.9313, 0.3683, 0.5596



21.9313, 0.1962, 0.4523

Sweetspot

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



21.9320, 0.2176, 0.1650



70.1392, 0.2883, 0.2860



66.0777, 0.2440, 0.3212



14.2938, 0.2848, 0.2798



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.



21.9320, 0.2176, 0.1650



18.2718, 0.1952, 0.1279



27.6545, 0.2664, 0.1840



14.5952, 0.2990, 0.3047



3.4139, 0.1520, 0.0611



0.2844, 0.1575, 0.0641

Inverse Universe

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



35.2546, 0.3261, 0.2109



35.9001, 0.3293, 0.1916



69.5467, 0.3388, 0.4789



15.2961, 0.3148, 0.3073



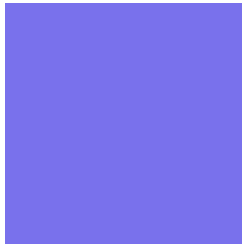
12.7097, 0.3377, 0.1634



1.0031, 0.3351, 0.1620

Previews

White Background



This preview shows how the Yxy color 21.9313, 0.2176, 0.1650 looks on a white background.

Color Contrast Check

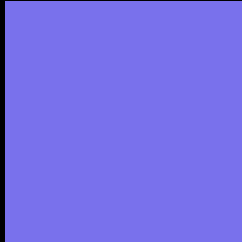
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9313, 0.2176, 0.1650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

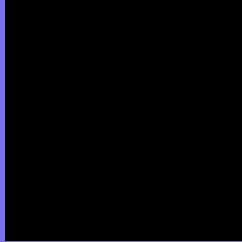
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9313, 0.2176, 0.1650

Background



This preview shows how black text looks on a background with the Yxy color 21.9313, 0.2176, 0.1650.



This preview shows how white text looks on a background with the Yxy color 21.9313, 0.2176, 0.1650.

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

21.9313, 0.2176, 0.1650

Protanopia

22.0625, 0.1851, 0.1580

Deuteranopia

22.1522, 0.1837, 0.1780



Tritanopia

21.8362, 0.2622, 0.3083

Trichromacy



Original Color

21.9313, 0.2176, 0.1650

Protanomaly

21.6701, 0.1932, 0.1589

Deuteranomaly

21.0554, 0.1880, 0.1693

Tritanomaly

21.3765, 0.2423, 0.2417

Monochromacy



Original Color

21.9313, 0.2176, 0.1650

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4287, 0.2704, 0.2546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9313, 0.2176, 0.1650 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(121, 113, 236)` looks like.

```
.text, #text, p{  
    color:rgb(121, 113, 236)  
}
```

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(121, 113, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 113, 236) }
```

Border

The CSS property to change the border of an element to Yxy 21.9313, 0.2176, 0.1650 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(121, 113, 236) }
```

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

```
.border{ border-color:rgb(121, 113, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 113, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 113, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 113, 236);  
box-shadow:4px 4px 4px 4px rgb(121, 113,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9313, 0.2176, 0.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 113, 236) }
```

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

```
.background{ background-color: rgb(121,  
113, 236) }
```

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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