

Converting Colors

$Y_{xy}(21.9746, 0.2303, 0.1921)$

Have a look what the booklet for
Yxy(21.9746, 0.2303, 0.1921)
contains.

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Color

Yxy(21.9908, 0.2309, 0.1926)

Conversions

Conversions Part 1

Format	Color
Hex	7877D5
RGB	120, 119, 213
RGB Percent	47%, 47%, 84%
CMY	0.5291, 0.5334, 0.1646
CMYK	0.44, 0.44, 0.00, 0.16
HSL	241°, 53%, 65%
HSV	241°, 44%, 84%
XYZ	26.3638, 21.9908, 65.8240
YIQ	130.0150, -29.5780, 29.4460

Conversions

Conversions Part 2

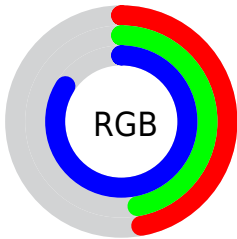
Format	Color
R _Y B	120, 119, 213
Decimal	7894997
CIE Lab	54.02, 24.28, -48.39
CIE LCh	54, 54.143, 296.648
Yxy	21.9908, 0.2309, 0.1926
Android (android.graphics.Color)	4286085077 (0xFF7877D5)
YUV	130.0150, 40.9116, -8.7832
Hunter-Lab	46.8943, 18.2870, -50.3973

Details

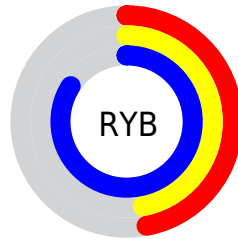
The Yxy color **21.9908, 0.2309, 0.1926** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **62.9181, 0.3770, 0.4372**, and the grayscale version is **22.1935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5759, 0.2566, 0.2315**, and **8.0651, 0.2029, 0.1552** is the 20% darker color. If you saturate the color by 10%, you get **16.1336, 0.2096, 0.1573**, and if you desaturate by 10%, it is **29.3166, 0.2521, 0.2278**.

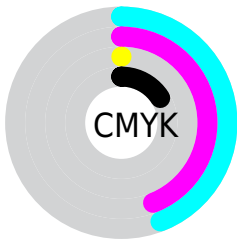
Distribution



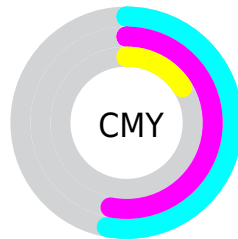
- Red (47%)
- Green (47%)
- Blue (84%)



- Red (47%)
- Yellow (47%)
- Blue (84%)



- Cyan (44%)
- Magenta (44%)
- Yellow (0%)
- Black (16%)



- Cyan (53%)
- Magenta (53%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9908, 0.2309, 0.1926 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 21.9908, 0.2309, 0.1926 by changing the saturation by 10% instead.

■ 21.9908, 0.2309,
0.1926

■ 21.9908, 0.2309,
0.1926

262.4982, 0.2758,
0.2616

■ 13.8501, 0.2188,
0.1759

■ 46.7308, 0.2480,
0.2175

■ 8.0165, 0.2029,
0.1550

■ 64.0989, 0.2542,
0.2269

■ 4.1055, 0.1815,
0.1286

■ 85.3116, 0.2594,
0.2349

■ 1.7328, 0.1519,
0.0954

110.7534, 0.2637,
0.2418

■ 0.4447, 0.1114,
0.0482

140.8085, 0.2674,
0.2477

■ 0.0000, 0.0000,
0.0000

175.8614, 0.2706,

0.2529

216.2965, 0.2734,
0.2575

■ 21.9908, 0.2309,
0.1926

■ 21.9908, 0.2309,
0.1926

■ 16.1336, 0.2096,
0.1573

■ 29.3166, 0.2521,
0.2278

■ 11.6440, 0.1896,
0.1243

■ 38.1984, 0.2721,
0.2612

■ 8.4118, 0.1726,
0.0964

■ 48.7194, 0.2904,
0.2917

■ 6.3089, 0.1601,
0.0759

■ 60.9563, 0.3066,
0.3188

■ 5.1798, 0.1527,
0.0641

■ 74.9809, 0.3207,
0.3425

■ 4.8218, 0.1503,
0.0602

■ 90.8610, 0.3330,
0.3630

■ 97.5855, 0.3375,
0.3700

Harmonies

Analogous

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



21.9908, 0.1763, 0.1914



21.9908, 0.2309, 0.1926



21.9908, 0.3173, 0.2196

Triad

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



21.9908, 0.2309, 0.1926



21.9908, 0.4988, 0.3958



21.9908, 0.2077, 0.3951

Complementary

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



21.9908, 0.2309, 0.1926



62.9181, 0.3770, 0.4372

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.



21.9908, 0.2849, 0.4879



21.9908, 0.2309, 0.1926



21.9908, 0.4532, 0.4621

Square

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



21.9908, 0.2309, 0.1926



21.9908, 0.4885, 0.3290



21.9908, 0.3745, 0.5068



21.9908, 0.1631, 0.2899

Rectangle

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



21.9908, 0.2309, 0.1926



21.9908, 0.3847, 0.2498



21.9908, 0.3745, 0.5068



21.9908, 0.2305, 0.4312

Sweetspot

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



21.9916, 0.2309, 0.1926



74.9508, 0.2921, 0.2946



56.3279, 0.2535, 0.3288



15.2286, 0.2883, 0.2881



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.



21.9916, 0.2309, 0.1926



24.7144, 0.2109, 0.1594



26.0994, 0.2711, 0.2061



12.0156, 0.2983, 0.3049



2.9476, 0.1504, 0.0602



0.1803, 0.1517, 0.0609

Inverse Universe

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



32.0864, 0.3188, 0.2228



41.7743, 0.3201, 0.2034



57.0407, 0.3399, 0.4524



12.6301, 0.3140, 0.3063



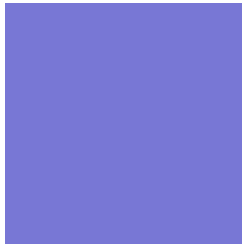
11.4992, 0.3239, 0.1558



0.6944, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 21.9908, 0.2309, 0.1926 looks on a white background.

Color Contrast Check

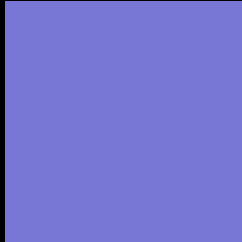
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9908, 0.2309, 0.1926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

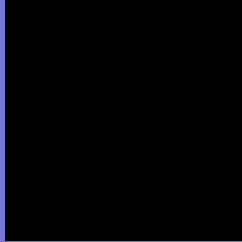
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9908, 0.2309, 0.1926

Background



This preview shows how black text looks on a background with the Yxy color 21.9908, 0.2309, 0.1926.



This preview shows how white text looks on a background with the Yxy color 21.9908, 0.2309, 0.1926.

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

21.9908, 0.2309, 0.1926

Protanopia

22.1600, 0.2091, 0.1902

Deuteranopia

22.2881, 0.2082, 0.2028



Tritanopia

21.9193, 0.2691, 0.3085

Trichromacy



Original Color

21.9908, 0.2309, 0.1926

Protanomaly

21.8850, 0.2156, 0.1898

Deuteranomaly

22.0023, 0.2147, 0.1980

Tritanomaly

21.8540, 0.2537, 0.2590

Monochromacy



Original Color

21.9908, 0.2309, 0.1926

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.8954, 0.2780, 0.2716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9908, 0.2309, 0.1926 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(120, 119, 213)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 213)  
}
```

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(120, 119, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 213) }
```

Border

The CSS property to change the border of an element to Yxy 21.9908, 0.2309, 0.1926 is called "border". The border property can be set on classes, ids or directly on the HTML element.

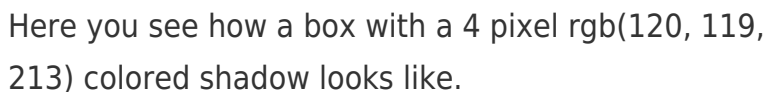
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 119, 213) }
```

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

```
.border{ border-color:rgb(120, 119, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(120, 119, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 119, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 119, 213); box-shadow:4px 4px 4px 4px rgb(120, 119, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9908, 0.2309, 0.1926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 213) }
```

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

```
.background{ background-color: rgb(120,  
119, 213) }
```

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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