

Converting Colors

$Y_{xy}(21.8621, 0.2318, 0.1952)$

Have a look what the booklet for
Yxy(21.8621, 0.2318, 0.1952)
contains.

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Color

Yxy(21.8187, 0.2313, 0.1944)

Conversions

Conversions Part 1

Format	Color
Hex	7777D3
RGB	119, 119, 211
RGB Percent	47%, 47%, 83%
CMY	0.5333, 0.5333, 0.1726
CMYK	0.44, 0.44, 0.00, 0.17
HSL	240°, 51%, 65%
HSV	240°, 44%, 83%
XYZ	25.9602, 21.8187, 64.4572
YIQ	129.4880, -29.5320, 28.6120

Conversions

Conversions Part 2

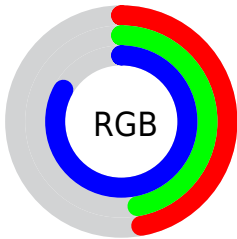
Format	Color
R_{YB}	119, 119, 211
Decimal	7829459
CIE _{Lab}	53.83, 23.40, -47.53
CIE _{LCh}	54, 52.977, 296.213
Yxy	21.8187, 0.2313, 0.1944
Android (android.graphics.Color)	4286019539 (0xFF7777D3)
YUV	129.4880, 40.1854, -9.1980
Hunter-Lab	46.7105, 17.4613, -49.1187

Details

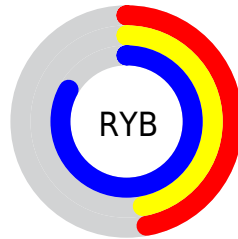
The Yxy color **21.8187, 0.2313, 0.1944** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **61.7545, 0.3772, 0.4355**, and the grayscale version is **21.9978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4598, 0.2560, 0.2314**, and **7.9635, 0.2032, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **16.0119, 0.2099, 0.1589**, and if you desaturate by 10%, it is **29.0728, 0.2526, 0.2297**.

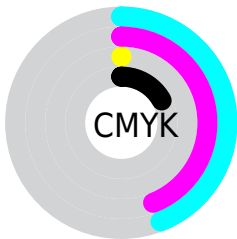
Distribution



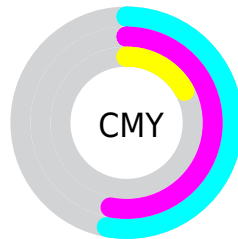
- Red (47%)
- Green (47%)
- Blue (83%)



- Red (47%)
- Yellow (47%)
- Blue (83%)



- Cyan (44%)
- Magenta (44%)
- Yellow (0%)
- Black (17%)





- Cyan (53%)
- Magenta (53%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8187, 0.2313, 0.1944 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 21.8187, 0.2313, 0.1944 by changing the saturation by 10% instead.


 21.8187, 0.2313,
0.1944


 21.8187, 0.2313,
0.1944


261.5980, 0.2761,
0.2628


 13.7237, 0.2192,
0.1777


 46.4462, 0.2484,
0.2191

 7.9288, 0.2033,
0.1568


 63.7475, 0.2545,
0.2285

 4.0494, 0.1818,
0.1304

 84.8863, 0.2597,
0.2364

 1.7012, 0.1520,
0.0969

110.2472, 0.2640,
0.2432

 0.4245, 0.1111,
0.0480

140.2144, 0.2677,
0.2491

 0.0000, 0.0000,
0.0000

175.1723, 0.2709,

0.2542

215.5054, 0.2736,
0.2588

■ 21.8187, 0.2313,
0.1944

■ 21.8187, 0.2313,
0.1944

■ 16.0119, 0.2099,
0.1589

■ 29.0728, 0.2526,
0.2297

■ 11.5534, 0.1897,
0.1257

■ 37.8599, 0.2728,
0.2629

■ 8.3353, 0.1727,
0.0974

■ 48.2615, 0.2911,
0.2933

■ 6.2324, 0.1600,
0.0766

■ 60.3530, 0.3074,
0.3202

■ 5.0930, 0.1526,
0.0644

■ 74.2047, 0.3216,
0.3437

■ 4.7023, 0.1500,
0.0600

■ 89.8833, 0.3339,
0.3640

■ 97.4821, 0.3388,
0.3721

Harmonies

Analogous

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



21.8187, 0.1778, 0.1937



21.8187, 0.2313, 0.1944



21.8187, 0.3159, 0.2207

Triad

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



21.8187, 0.2313, 0.1944



21.8187, 0.4960, 0.3944



21.8187, 0.2106, 0.3954

Complementary

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



21.8187, 0.2313, 0.1944



61.7545, 0.3772, 0.4355

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.



21.8187, 0.2870, 0.4853



21.8187, 0.2313, 0.1944



21.8187, 0.4522, 0.4595

Square

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



21.8187, 0.2313, 0.1944



21.8187, 0.4846, 0.3284



21.8187, 0.3752, 0.5033



21.8187, 0.1658, 0.2922

Rectangle

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



21.8187, 0.2313, 0.1944



21.8187, 0.3820, 0.2503



21.8187, 0.3752, 0.5033



21.8187, 0.2332, 0.4305

Sweetspot

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



21.8195, 0.2313, 0.1944



74.8894, 0.2919, 0.2945



55.1260, 0.2549, 0.3309



15.2138, 0.2880, 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.



21.8195, 0.2313, 0.1944



25.4055, 0.2120, 0.1625



25.7316, 0.2704, 0.2074



11.4178, 0.2982, 0.3050



2.8385, 0.1500, 0.0600



0.1587, 0.1500, 0.0600

Inverse Universe

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



28.3723, 0.4270, 0.3293



36.6927, 0.4650, 0.3294



56.0740, 0.3408, 0.4501



11.8083, 0.3291, 0.3290



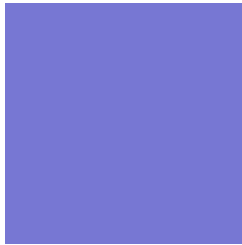
8.3578, 0.6401, 0.3300



0.4673, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 21.8187, 0.2313, 0.1944 looks on a white background.

Color Contrast Check

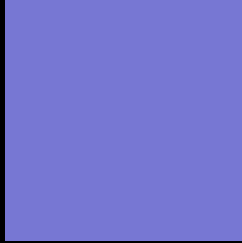
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8187, 0.2313, 0.1944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

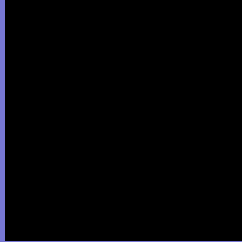
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8187, 0.2313, 0.1944

Background



This preview shows how black text looks on a background with the Yxy color 21.8187, 0.2313, 0.1944.



This preview shows how white text looks on a background with the Yxy color 21.8187, 0.2313, 0.1944.

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

21.8187, 0.2313, 0.1944

Protanopia

21.8506, 0.2102, 0.1908

Deuteranopia

21.9662, 0.2093, 0.2035



Tritanopia

21.8886, 0.2699, 0.3103

Trichromacy



Original Color

21.8187, 0.2313, 0.1944

Protanomaly

21.8389, 0.2173, 0.1920

Deuteranomaly

21.7001, 0.2160, 0.1987

Tritanomaly

21.7158, 0.2544, 0.2618

Monochromacy



Original Color

21.8187, 0.2313, 0.1944

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5304, 0.2778, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8187, 0.2313, 0.1944 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(119, 119, 211)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 211)  
}
```

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(119, 119, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 211) }
```

Border

The CSS property to change the border of an element to Yxy 21.8187, 0.2313, 0.1944 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(119, 119, 211) }
```

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

```
.border{ border-color:rgb(119, 119, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 119, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 211);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8187, 0.2313, 0.1944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 211) }
```

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

```
.background{ background-color: rgb(119,  
119, 211) }
```

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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