

Converting Colors

$Y_{xy}(21.9229, 0.2256, 0.1850)$

Have a look what the booklet for
Yxy(21.9229, 0.2256, 0.1850)
contains.

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Color

Yxy(21.9229, 0.2256, 0.1850)

Conversions

Conversions Part 1

Format	Color
Hex	7676DB
RGB	118, 118, 219
RGB Percent	46%, 46%, 86%
CMY	0.5373, 0.5372, 0.1411
CMYK	0.46, 0.46, 0.00, 0.14
HSL	240°, 58%, 66%
HSV	240°, 46%, 86%
XYZ	26.7341, 21.9229, 69.8452
YIQ	129.5140, -32.4210, 31.4110

Conversions

Conversions Part 2

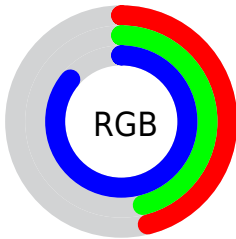
Format	Color
R _Y B	118, 118, 219
Decimal	7763675
CIE Lab	53.95, 26.11, -51.89
CIE LCh	54, 58.092, 296.713
Yxy	21.9229, 0.2256, 0.1850
Android (android.graphics.Color)	4285953755 (0xFF7676DB)
YUV	129.5140, 44.1166, -10.0978
Hunter-Lab	46.8219, 19.9805, -55.6688

Details

The Yxy color **21.9229, 0.2256, 0.1850** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **67.0214, 0.3807, 0.4414**, and the grayscale version is **21.9929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0834, 0.2558, 0.2302**, and **7.9853, 0.1965, 0.1471** is the 20% darker color. If you saturate the color by 10%, you get **15.9923, 0.2043, 0.1498**, and if you desaturate by 10%, it is **29.4076, 0.2471, 0.2206**.

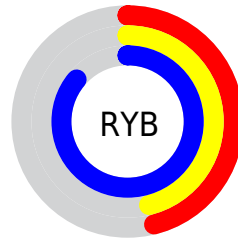
Distribution



Red (46%)

Green (46%)

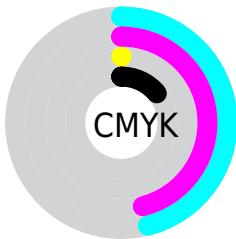
Blue (86%)



Red (46%)

Yellow (46%)

Blue (86%)

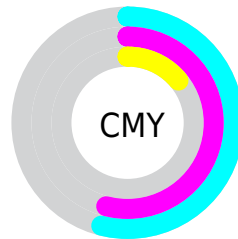


Cyan (46%)

Magenta (46%)

Yellow (0%)

Black (14%)



Cyan (54%)

Magenta (54%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9229, 0.2256, 0.1850 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 21.9229, 0.2256, 0.1850 by changing the saturation by 10% instead.

■ 21.9229, 0.2256,
0.1850

■ 21.9229, 0.2256,
0.1850

■ 262.1434, 0.2732,
0.2571

■ 13.8003, 0.2129,
0.1678

■ 46.6185, 0.2436,
0.2108

■ 7.9819, 0.1964,
0.1466

■ 63.9603, 0.2502,
0.2206

■ 4.0834, 0.1745,
0.1202

■ 85.1439, 0.2557,
0.2290

■ 1.7203, 0.1445,
0.0875

■ 110.5538, 0.2603,
0.2362

■ 0.4367, 0.1045,
0.0426

■ 140.5743, 0.2642,
0.2425

■ 0.0000, 0.0001,
0.0000

■ 175.5898, 0.2677,

■ 0.0000, 0.0000,

0.2480

0.0000

215.9847, 0.2706,
0.2528

■ 21.9229, 0.2256,
0.1850

■ 21.9229, 0.2256,
0.1850

■ 15.9923, 0.2043,
0.1498

■ 29.4076, 0.2471,
0.2206

■ 11.5045, 0.1848,
0.1175

■ 38.5426, 0.2677,
0.2546

■ 8.3373, 0.1688,
0.0910

■ 49.4191, 0.2866,
0.2858

■ 6.3470, 0.1575,
0.0724

■ 62.1209, 0.3034,
0.3136

■ 5.3548, 0.1515,
0.0625

■ 76.7264, 0.3182,
0.3380

■ 5.1162, 0.1500,
0.0600

■ 93.3095, 0.3310,
0.3592

■ 97.8949, 0.3339,
0.3641

Harmonies

Analogous

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



21.9229, 0.1685, 0.1833



21.9229, 0.2256, 0.1850



21.9229, 0.3173, 0.2133

Triad

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



21.9229, 0.2256, 0.1850



21.9229, 0.5105, 0.3973



21.9229, 0.2001, 0.3997

Complementary

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



21.9229, 0.2256, 0.1850



67.0214, 0.3807, 0.4414

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.



21.9229, 0.2814, 0.5013



21.9229, 0.2256, 0.1850



21.9229, 0.4602, 0.4685

Square

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



21.9229, 0.2256, 0.1850



21.9229, 0.5011, 0.3274



21.9229, 0.3761, 0.5193



21.9229, 0.1541, 0.2857

Rectangle

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



21.9229, 0.2256, 0.1850



21.9229, 0.3898, 0.2449



21.9229, 0.3761, 0.5193



21.9229, 0.2240, 0.4395

Sweetspot

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



21.9237, 0.2256, 0.1850



73.1515, 0.2901, 0.2917



59.5438, 0.2522, 0.3310



14.8721, 0.2863, 0.2853



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.



21.9237, 0.2256, 0.1850



23.0612, 0.2057, 0.1520



26.2618, 0.2670, 0.1995



12.6178, 0.2981, 0.3048



3.0337, 0.1500, 0.0600



0.1967, 0.1500, 0.0601

Inverse Universe

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



29.3216, 0.4376, 0.3293



34.6975, 0.4788, 0.3295



60.5404, 0.3421, 0.4580



13.0516, 0.3292, 0.3290



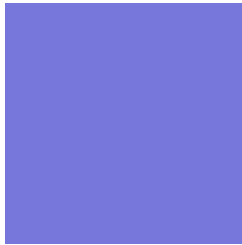
8.9300, 0.6400, 0.3300



0.5785, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 21.9229, 0.2256, 0.1850 looks on a white background.

Color Contrast Check

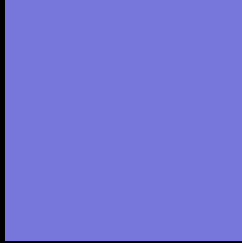
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9229, 0.2256, 0.1850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

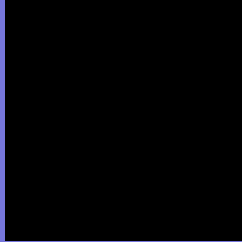
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9229, 0.2256, 0.1850

Background



This preview shows how black text looks on a background with the Yxy color 21.9229, 0.2256, 0.1850.



This preview shows how white text looks on a background with the Yxy color 21.9229, 0.2256, 0.1850.

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

21.9229, 0.2256, 0.1850

Protanopia

21.9521, 0.2022, 0.1808

Deuteranopia

22.1521, 0.2015, 0.1961



Tritanopia

21.9999, 0.2648, 0.3084

Trichromacy



Original Color

21.9229, 0.2256, 0.1850

Protanomaly

21.6797, 0.2094, 0.1816

Deuteranomaly

21.9099, 0.2083, 0.1916

Tritanomaly

21.7209, 0.2480, 0.2539

Monochromacy



Original Color

21.9229, 0.2256, 0.1850

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9660, 0.2762, 0.2686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9229, 0.2256, 0.1850 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(118, 118, 219)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 219)  
}
```

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(118, 118, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 219) }
```

Border

The CSS property to change the border of an element to Yxy 21.9229, 0.2256, 0.1850 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(118, 118, 219) }
```

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

```
.border{ border-color:rgb(118, 118, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 219);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9229, 0.2256, 0.1850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 219) }
```

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

```
.background{ background-color: rgb(118,  
118, 219) }
```

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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