

Converting Colors

$Y_{xy}(28.8418, 0.2222, 0.1987)$

Have a look what the booklet for
Yxy(28.8418, 0.2222, 0.1987)
contains.

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Color

Yxy(28.7221, 0.2219, 0.1983)

Conversions

Conversions Part 1

Format	Color
Hex	768CED
RGB	118, 140, 237
RGB Percent	46%, 55%, 93%
CMY	0.5371, 0.4510, 0.0705
CMYK	0.50, 0.41, 0.00, 0.07
HSL	229°, 77%, 70%
HSV	229°, 50%, 93%
XYZ	32.1404, 28.7221, 83.9792
YIQ	144.4800, -44.2490, 25.5030

Conversions

Conversions Part 2

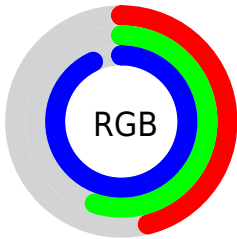
Format	Color
RYB	118, 137, 237
Decimal	7769325
CIELab	60.54, 18.45, -51.46
CIElCh	61, 54.664, 289.724
Yxy	28.7221, 0.2219, 0.1983
Android (android.graphics.Color)	4285959405 (0xFF768CED)
YUV	144.4800, 45.6124, -23.2230
Hunter-Lab	53.5930, 13.2608, -55.3912

Details

The Yxy color **28.7221, 0.2219, 0.1983** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.9489, 0.3971, 0.4316**, and the grayscale version is **27.9227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5900, 0.2597, 0.2577**, and **11.5072, 0.1953, 0.1648** is the 20% darker color. If you saturate the color by 10%, you get **22.1056, 0.2028, 0.1677**, and if you desaturate by 10%, it is **36.7495, 0.2417, 0.2286**.

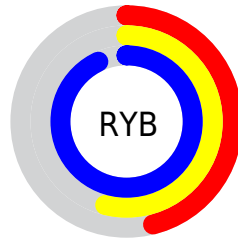
Distribution



Red (46%)

Green (55%)

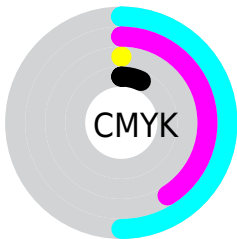
Blue (93%)



Red (46%)

Yellow (54%)

Blue (93%)

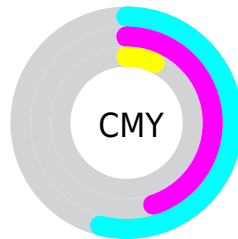


Cyan (50%)

Magenta (41%)

Yellow (0%)

Black (7%)



Cyan (54%)


Magenta (45%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7221, 0.2219, 0.1983 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 28.7221, 0.2219, 0.1983 by changing the saturation by 10% instead.

 28.7221, 0.2219,
0.1983


 28.7221, 0.2219,
0.1983


295.9015, 0.2691,
0.2624


 18.8707, 0.2101,
0.1833


 57.6353, 0.2392,
0.2210

 11.5769, 0.1950,
0.1648


 77.4658, 0.2457,
0.2297

 6.4563, 0.1755,
0.1418


 101.3915, 0.2511,
0.2371

 3.1245, 0.1496,
0.1129

129.7968, 0.2558,
0.2436

 1.1970, 0.1151,
0.0773

163.0661, 0.2598,
0.2492

 0.0593, 0.0673,
0.0079

201.5837, 0.2633,

 0.0000, 0.0000,

0.2541

0.0000

245.7340, 0.2664,
0.2585

■ 28.7221, 0.2219,
0.1983

■ 28.7221, 0.2219,
0.1983

■ 22.1056, 0.2028,
0.1677

■ 36.7495, 0.2417,
0.2286

■ 16.8134, 0.1855,
0.1383

■ 46.2615, 0.2611,
0.2573

■ 12.7533, 0.1711,
0.1121


■ 57.3301, 0.2796,
0.2837

■ 9.8193, 0.1607,
0.0906

■ 70.0216, 0.2968,
0.3075

■ 7.8961, 0.1543,
0.0753

■ 84.3986, 0.3124,
0.3286

 98.8951, 0.3232,
0.3463

Harmonies

Analogous

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



28.7221, 0.1771, 0.2039



28.7221, 0.2219, 0.1983



28.7221, 0.2968, 0.2185

Triad

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



28.7221, 0.2219, 0.1983



28.7221, 0.4889, 0.3791



28.7221, 0.2301, 0.4129

Complementary

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



28.7221, 0.2219, 0.1983



67.9489, 0.3971, 0.4316

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.



28.7221, 0.3074, 0.4852



28.7221, 0.2219, 0.1983



28.7221, 0.4582, 0.4418

Square

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



28.7221, 0.2219, 0.1983



28.7221, 0.4644, 0.3163



28.7221, 0.3907, 0.4885



28.7221, 0.1795, 0.3141

Rectangle

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



28.7221, 0.2219, 0.1983



28.7221, 0.3581, 0.2442



28.7221, 0.3907, 0.4885



28.7221, 0.2537, 0.4431

Sweetspot

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



28.7231, 0.2219, 0.1983



75.1408, 0.2886, 0.2963



69.2449, 0.2582, 0.3590



15.4127, 0.2850, 0.2912



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.



28.7231, 0.2219, 0.1983



26.0703, 0.2027, 0.1676



25.9259, 0.2429, 0.1797



14.9984, 0.2980, 0.3092



4.4484, 0.1548, 0.0774



0.4766, 0.1614, 0.1008

Inverse Universe

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



32.8666, 0.4283, 0.3051



32.3805, 0.4666, 0.3020



74.3463, 0.3596, 0.4631



15.0994, 0.3264, 0.3247



9.9419, 0.6112, 0.3140



0.7935, 0.5746, 0.2939

Previews

White Background



This preview shows how the Yxy color 28.7221, 0.2219, 0.1983 looks on a white background.

Color Contrast Check

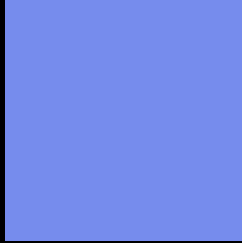
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7221, 0.2219, 0.1983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

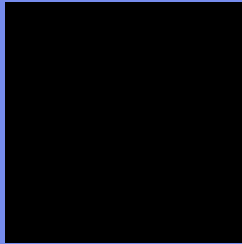
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7221, 0.2219, 0.1983

Background



This preview shows how black text looks on a background with the Yxy color 28.7221, 0.2219, 0.1983.



This preview shows how white text looks on a background with the Yxy color 28.7221, 0.2219, 0.1983.

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

28.7221, 0.2219, 0.1983

Protanopia

28.6422, 0.2146, 0.1970

Deuteranopia

28.8380, 0.2095, 0.2032



Tritanopia

28.7195, 0.2526, 0.3085

Trichromacy



Original Color

28.7221, 0.2219, 0.1983

Protanomaly

28.5378, 0.2170, 0.1973

Deuteranomaly

28.7693, 0.2138, 0.2018

Tritanomaly

28.5615, 0.2404, 0.2628

Monochromacy



Original Color

28.7221, 0.2219, 0.1983

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.0102, 0.2733, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7221, 0.2219, 0.1983 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, 140, 237)` looks like.

```
.text, #text, p{  
    color:rgb(118, 140, 237)  
}
```

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, 140, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 140, 237) }
```

Border

The CSS property to change the border of an element to Yxy 28.7221, 0.2219, 0.1983 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, 140, 237) }
```

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

```
.border{ border-color:rgb(118, 140, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 140, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 140, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 140, 237);  
box-shadow:4px 4px 4px 4px rgb(118, 140,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7221, 0.2219, 0.1983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 140, 237) }
```

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

```
.background{ background-color: rgb(118,  
140, 237) }
```

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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