

Converting Colors

$Y_{xy}(22.3030, 0.2295, 0.1837)$

Have a look what the booklet for
Yxy(22.3030, 0.2295, 0.1837)
contains.

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Color

Yxy(22.3030, 0.2295, 0.1837)

Conversions

Conversions Part 1

Format	Color
Hex	7D75DD
RGB	125, 117, 221
RGB Percent	49%, 46%, 87%
CMY	0.5100, 0.5411, 0.1333
CMYK	0.43, 0.47, 0.00, 0.13
HSL	245°, 60%, 66%
HSV	245°, 47%, 87%
XYZ	27.8636, 22.3030, 71.2433
YIQ	131.2480, -28.6160, 34.0400

Conversions

Conversions Part 2

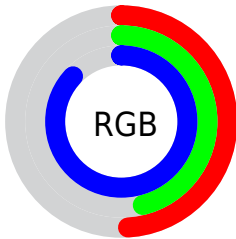
Format	Color
R _Y B	125, 117, 221
Decimal	8222173
CIE Lab	54.35, 28.93, -52.34
CIE LCh	54, 59.806, 298.931
Yxy	22.3030, 0.2295, 0.1837
Android (android.graphics.Color)	4286412253 (0xFF7D75DD)
YUV	131.2480, 44.2477, -5.4795
Hunter-Lab	47.2261, 22.6702, -56.3843

Details

The Yxy color **22.3030, 0.2295, 0.1837** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **67.1559, 0.3756, 0.4462**, and the grayscale version is **22.6350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5410, 0.2606, 0.2303**, and **8.2018, 0.2015, 0.1462** is the 20% darker color. If you saturate the color by 10%, you get **16.3655, 0.2089, 0.1493**, and if you desaturate by 10%, it is **29.7734, 0.2500, 0.2186**.

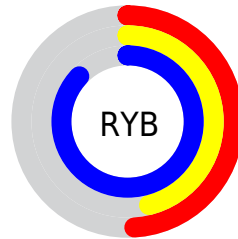
Distribution



Red (49%)

Green (46%)

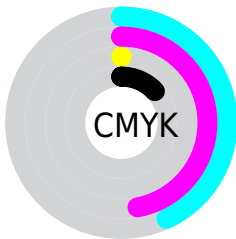
Blue (87%)



Red (49%)

Yellow (46%)

Blue (87%)

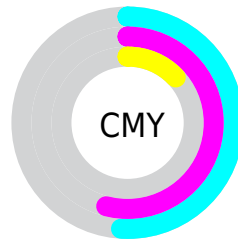


Cyan (43%)

Magenta (47%)

Yellow (0%)

Black (13%)



Cyan (51%)

Magenta (54%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3030, 0.2295, 0.1837 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 22.3030, 0.2295, 0.1837 by changing the saturation by 10% instead.

■ 22.3030, 0.2295,
0.1837

■ 22.3030, 0.2295,
0.1837

■ 264.1246, 0.2751,
0.2560

■ 14.0797, 0.2173,
0.1666

■ 47.2463, 0.2468,
0.2094

■ 8.1761, 0.2014,
0.1456

■ 64.7351, 0.2531,
0.2193

■ 4.2079, 0.1802,
0.1195

■ 86.0811, 0.2583,
0.2277

■ 1.7905, 0.1512,
0.0874

■ 111.6689, 0.2628,
0.2349

■ 0.4812, 0.1119,
0.0446

■ 141.8827, 0.2665,
0.2412

■ 0.0000, 0.0231,
0.0000

■ 177.1070, 0.2698,

■ 0.0000, 0.0000,

0.2467

0.0000

217.7261, 0.2727,
0.2516

■ 22.3030, 0.2295,
0.1837

■ 22.3030, 0.2295,
0.1837

■ 16.3655, 0.2089,
0.1493

■ 29.7734, 0.2500,
0.2186

■ 11.8521, 0.1897,
0.1178

■ 38.8704, 0.2694,
0.2522

■ 8.6437, 0.1733,
0.0918

■ 49.6833, 0.2871,
0.2833

■ 6.6005, 0.1610,
0.0733

■ 62.2940, 0.3028,
0.3113

■ 5.5426, 0.1535,
0.0631

■ 76.7791, 0.3166,
0.3360

■ 5.3383, 0.1520,
0.0611

■ 93.2109, 0.3284,
0.3575

■ 98.0005, 0.3327,
0.3621

Harmonies

Analogous

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



22.3030, 0.1690, 0.1797



22.3030, 0.2295, 0.1837



22.3030, 0.3253, 0.2142

Triad

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



22.3030, 0.2295, 0.1837



22.3030, 0.5124, 0.4030



22.3030, 0.1928, 0.3920

Complementary

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



22.3030, 0.2295, 0.1837



67.1559, 0.3756, 0.4462

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.



22.3030, 0.2732, 0.5008



22.3030, 0.2295, 0.1837



22.3030, 0.4570, 0.4755

Square

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



22.3030, 0.2295, 0.1837



22.3030, 0.5086, 0.3319



22.3030, 0.3696, 0.5253



22.3030, 0.1492, 0.2772

Rectangle

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



22.3030, 0.2295, 0.1837



22.3030, 0.3996, 0.2473



22.3030, 0.3696, 0.5253



22.3030, 0.2161, 0.4336

Sweetspot

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



22.3038, 0.2295, 0.1837



73.5726, 0.2919, 0.2918



57.1320, 0.2488, 0.3197



14.9729, 0.2884, 0.2855



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.



22.3038, 0.2295, 0.1837



23.0697, 0.2102, 0.1513



27.1714, 0.2740, 0.1995



12.6644, 0.2993, 0.3049



3.1199, 0.1526, 0.0614



0.2190, 0.1600, 0.0655

Inverse Universe

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



32.9077, 0.3259, 0.2225



39.4313, 0.3289, 0.2045



60.6880, 0.3360, 0.4636



13.2568, 0.3149, 0.3077



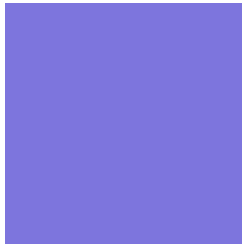
11.4744, 0.3409, 0.1652



0.7486, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 22.3030, 0.2295, 0.1837 looks on a white background.

Color Contrast Check

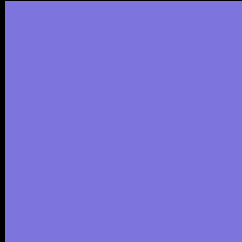
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3030, 0.2295, 0.1837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

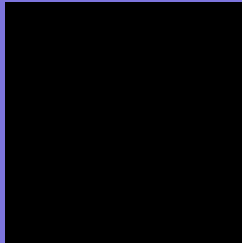
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3030, 0.2295, 0.1837

Background



This preview shows how black text looks on a background with the Yxy color 22.3030, 0.2295, 0.1837.



This preview shows how white text looks on a background with the Yxy color 22.3030, 0.2295, 0.1837.

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

22.3030, 0.2295, 0.1837

Protanopia

22.3842, 0.2005, 0.1785

Deuteranopia

22.5598, 0.2015, 0.1958



Tritanopia

22.3755, 0.2720, 0.3106

Trichromacy



Original Color

22.3030, 0.2295, 0.1837

Protanomaly

22.2534, 0.2091, 0.1798

Deuteranomaly

22.1600, 0.2091, 0.1902

Tritanomaly

21.9002, 0.2538, 0.2533

Monochromacy



Original Color

22.3030, 0.2295, 0.1837

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2692, 0.2774, 0.2661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3030, 0.2295, 0.1837 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(125, 117, 221)` looks like.

```
.text, #text, p{  
    color:rgb(125, 117, 221)  
}
```

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(125, 117, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 117, 221) }
```

Border

The CSS property to change the border of an element to Yxy 22.3030, 0.2295, 0.1837 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(125, 117, 221) }
```

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

```
.border{ border-color:rgb(125, 117, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 117, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 117, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 117, 221);  
box-shadow:4px 4px 4px 4px rgb(125, 117,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3030, 0.2295, 0.1837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 117, 221) }
```

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

```
.background{ background-color: rgb(125,  
117, 221) }
```

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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