

Converting Colors

$Y_{xy}(22.2459, 0.2233, 0.1841)$

Have a look what the booklet for
Yxy(22.2459, 0.2233, 0.1841)
contains.

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Color

Yxy(22.1271, 0.2233, 0.1840)

Conversions

Conversions Part 1

Format	Color
Hex	7477DD
RGB	116, 119, 221
RGB Percent	45%, 47%, 87%
CMY	0.5451, 0.5334, 0.1333
CMYK	0.48, 0.46, 0.00, 0.13
HSL	238°, 61%, 66%
HSV	238°, 48%, 87%
XYZ	26.8532, 22.1271, 71.2757
YIQ	129.7310, -34.5300, 31.0860

Conversions

Conversions Part 2

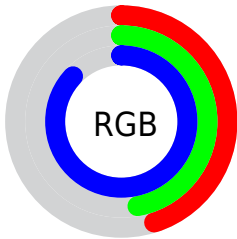
Format	Color
RYB	116, 119, 221
Decimal	7632861
CIELab	54.16, 25.67, -52.69
CIELCh	54, 58.607, 295.972
Yxy	22.1271, 0.2233, 0.1840
Android (android.graphics.Color)	4285822941 (0xFF7477DD)
YUV	129.7310, 44.9956, -12.0421
Hunter-Lab	47.0395, 19.5803, -56.9105

Details

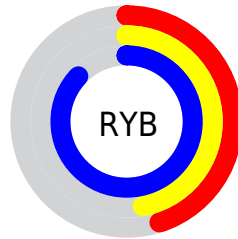
The Yxy color **22.1271, 0.2233, 0.1840** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **66.7981, 0.3839, 0.4417**, and the grayscale version is **22.0718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2301, 0.2546, 0.2310**, and **8.0929, 0.1937, 0.1460** is the 20% darker color. If you saturate the color by 10%, you get **16.2425, 0.2024, 0.1495**, and if you desaturate by 10%, it is **29.5281, 0.2446, 0.2189**.

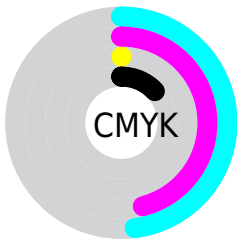
Distribution



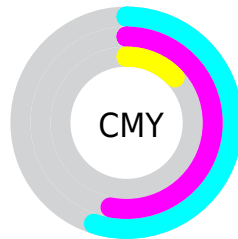
- Red (45%)
- Green (47%)
- Blue (87%)



- Red (45%)
- Yellow (47%)
- Blue (87%)



- Cyan (48%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)



- Cyan (55%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1271, 0.2233, 0.1840 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 22.1271, 0.2233, 0.1840 by changing the saturation by 10% instead.

■ 22.1271, 0.2233,
0.1840

■ 22.1271, 0.2233,
0.1840

263.2093, 0.2720,
0.2565

■ 13.9503, 0.2104,
0.1668

■ 46.9560, 0.2417,
0.2099

■ 8.0861, 0.1938,
0.1456

■ 64.3769, 0.2484,
0.2197

■ 4.1501, 0.1716,
0.1193

■ 85.6479, 0.2540,
0.2282

■ 1.7579, 0.1417,
0.0868

111.1535, 0.2587,
0.2354

■ 0.4607, 0.1019,
0.0433

141.2780, 0.2628,
0.2417

■ 0.0000, 0.0026,
0.0000

176.4059, 0.2663,

■ 0.0000, 0.0000,

0.2473

0.0000

216.9216, 0.2693,
0.2521

■ 22.1271, 0.2233,
0.1840

■ 22.1271, 0.2233,
0.1840

■ 16.2425, 0.2024,
0.1495

■ 29.5281, 0.2446,
0.2189

■ 11.7673, 0.1834,
0.1179

■ 38.5380, 0.2651,
0.2523

■ 8.5842, 0.1679,
0.0918

■ 49.2447, 0.2841,
0.2830

■ 6.5561, 0.1571,
0.0732

■ 61.7289, 0.3012,
0.3105

■ 5.5110, 0.1513,
0.0629

■ 76.0663, 0.3163,
0.3347

■ 5.3578, 0.1504,
0.0614

■ 92.3282, 0.3294,
0.3557

■ 98.0015, 0.3327,
0.3621

Harmonies

Analogous

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



22.1271, 0.1669, 0.1830



22.1271, 0.2233, 0.1840



22.1271, 0.3147, 0.2118

Triad

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



22.1271, 0.2233, 0.1840



22.1271, 0.5121, 0.3956



22.1271, 0.2012, 0.4032

Complementary

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



22.1271, 0.2233, 0.1840



66.7981, 0.3839, 0.4417

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.



22.1271, 0.2834, 0.5041



22.1271, 0.2233, 0.1840



22.1271, 0.4625, 0.4673

Square

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



22.1271, 0.2233, 0.1840



22.1271, 0.5010, 0.3256



22.1271, 0.3786, 0.5197



22.1271, 0.1540, 0.2878

Rectangle

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



22.1271, 0.2233, 0.1840



22.1271, 0.3875, 0.2431



22.1271, 0.3786, 0.5197



22.1271, 0.2254, 0.4430

Sweetspot

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



22.1279, 0.2233, 0.1840



73.6782, 0.2902, 0.2927



60.4741, 0.2517, 0.3334



14.9980, 0.2863, 0.2866



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.



22.1279, 0.2233, 0.1840



22.4976, 0.2025, 0.1497



25.7160, 0.2636, 0.1947



12.6761, 0.2981, 0.3055



3.1396, 0.1505, 0.0619



0.2248, 0.1521, 0.0677

Inverse Universe

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



29.2005, 0.4397, 0.3259



33.5464, 0.4833, 0.3255



61.7571, 0.3440, 0.4615



13.0575, 0.3287, 0.3284



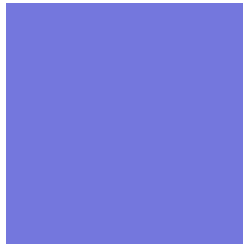
8.9407, 0.6368, 0.3282



0.5814, 0.6271, 0.3228

Previews

White Background



This preview shows how the Yxy color 22.1271, 0.2233, 0.1840 looks on a white background.

Color Contrast Check

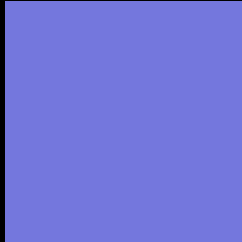
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1271, 0.2233, 0.1840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

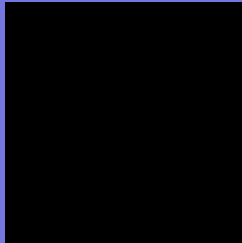
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1271, 0.2233, 0.1840

Background



This preview shows how black text looks on a background with the Yxy color 22.1271, 0.2233, 0.1840.



This preview shows how white text looks on a background with the Yxy color 22.1271, 0.2233, 0.1840.

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

22.1271, 0.2233, 0.1840

Protanopia

22.3170, 0.2017, 0.1805

Deuteranopia

22.1855, 0.1999, 0.1938



Tritanopia

22.1478, 0.2616, 0.3084

Trichromacy



Original Color

22.1271, 0.2233, 0.1840

Protanomaly

21.9818, 0.2083, 0.1810

Deuteranomaly

21.9210, 0.2064, 0.1893

Tritanomaly

21.9048, 0.2459, 0.2539

Monochromacy



Original Color

22.1271, 0.2233, 0.1840

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9260, 0.2742, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1271, 0.2233, 0.1840 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(116, 119, 221)` looks like.

```
.text, #text, p{  
    color:rgb(116, 119, 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(116, 119, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 119, 221) }
```

Border

The CSS property to change the border of an element to Yxy 22.1271, 0.2233, 0.1840 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(116, 119, 221) }
```

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

```
.border{ border-color:rgb(116, 119, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 119, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 119, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 119, 221);  
box-shadow:4px 4px 4px 4px rgb(116, 119,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1271, 0.2233, 0.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 119, 221) }
```

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

```
.background{ background-color: rgb(116,  
119, 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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