

Converting Colors

$Y_{xy}(17.5510, 0.2248, 0.1823)$

Have a look what the booklet for
Yxy(17.5510, 0.2248, 0.1823)
contains.

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Color

Yxy(17.6040, 0.2251, 0.1831)

Conversions

Conversions Part 1

Format	Color
Hex	6B6AC8
RGB	107, 106, 200
RGB Percent	42%, 42%, 78%
CMY	0.5804, 0.5843, 0.2157
CMYK	0.46, 0.47, 0.00, 0.22
HSL	241°, 46%, 60%
HSV	241°, 47%, 78%
XYZ	21.6421, 17.6040, 56.8981
YIQ	117.0150, -29.5780, 29.4460

Conversions

Conversions Part 2

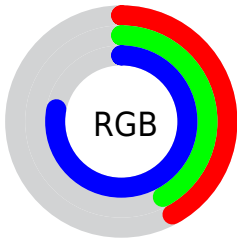
Format	Color
R _Y B	107, 106, 200
Decimal	7039688
CIE Lab	49.01, 25.10, -49.00
CIE LCh	49, 55.055, 297.118
Yxy	17.6040, 0.2251, 0.1831
Android (android.graphics.Color)	4285229768 (0xFF6B6AC8)
YUV	117.0150, 40.9116, -8.7832
Hunter-Lab	41.9571, 18.6478, -51.0333

Details

The Yxy color **17.6040, 0.2251, 0.1831** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **54.4894, 0.3806, 0.4431**, and the grayscale version is **17.6724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1205, 0.2456, 0.2125**, and **5.8504, 0.1933, 0.1415** is the 20% darker color. If you saturate the color by 10%, you get **12.8627, 0.2041, 0.1483**, and if you desaturate by 10%, it is **23.5883, 0.2464, 0.2184**.

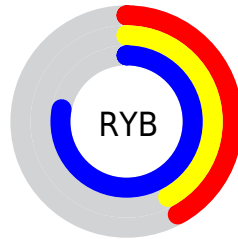
Distribution



Red (42%)

Green (42%)

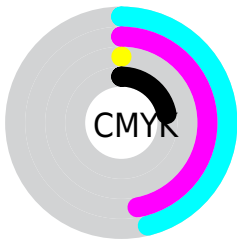
Blue (78%)



Red (42%)

Yellow (42%)

Blue (78%)

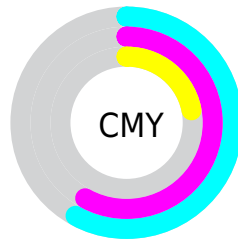


Cyan (46%)

Magenta (47%)

Yellow (0%)

Black (22%)



Cyan (58%)

Magenta (58%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6040, 0.2251, 0.1831 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 17.6040, 0.2251, 0.1831 by changing the saturation by 10% instead.

■ 17.6040, 0.2251,
0.1831

■ 17.6040, 0.2251,
0.1831

238.6294, 0.2746,
0.2587

■ 10.6661, 0.2113,
0.1644

■ 39.3614, 0.2443,
0.2107

■ 5.8428, 0.1929,
0.1409

■ 54.9496, 0.2512,
0.2211

■ 2.7497, 0.1679,
0.1113

■ 74.1901, 0.2568,
0.2298

■ 1.0025, 0.1329,
0.0746

■ 97.4671, 0.2616,
0.2373

■ 0.0000, 0.0817,
0.0000

125.1652, 0.2656,
0.2437

■ 0.0000, 0.0000,
0.0000

157.6687, 0.2690,

0.2494

195.3620, 0.2720,
0.2543

■ 17.6040, 0.2251,
0.1831

■ 17.6040, 0.2251,
0.1831

■ 12.8627, 0.2041,
0.1483

■ 23.5883, 0.2464,
0.2184

■ 9.2753, 0.1848,
0.1165

■ 30.8925, 0.2668,
0.2523

■ 6.7439, 0.1689,
0.0904

■ 39.5895, 0.2855,
0.2835

■ 5.1537, 0.1577,
0.0721

■ 49.7466, 0.3022,
0.3115

■ 4.3524, 0.1516,
0.0623

■ 61.4263, 0.3169,
0.3360

■ 4.1836, 0.1503,
0.0602

■ 74.6877, 0.3296,
0.3573

■ 89.5868, 0.3406,
0.3757

■ 96.9500, 0.3454,
0.3830

Harmonies

Analogous

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



17.6040, 0.1669, 0.1809



17.6040, 0.2251, 0.1831



17.6040, 0.3187, 0.2121

Triad

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



17.6040, 0.2251, 0.1831



17.6040, 0.5134, 0.3986



17.6040, 0.1971, 0.3994

Complementary

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



17.6040, 0.2251, 0.1831



54.4894, 0.3806, 0.4431

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.



17.6040, 0.2791, 0.5043



17.6040, 0.2251, 0.1831



17.6040, 0.4611, 0.4711

Square

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



17.6040, 0.2251, 0.1831



17.6040, 0.5053, 0.3278



17.6040, 0.3753, 0.5232



17.6040, 0.1513, 0.2833

Rectangle

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



17.6040, 0.2251, 0.1831



17.6040, 0.3926, 0.2442



17.6040, 0.3753, 0.5232



17.6040, 0.2212, 0.4403

Sweetspot

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



17.6046, 0.2251, 0.1831



73.2053, 0.2904, 0.2917



48.5411, 0.2508, 0.3288



14.8850, 0.2866, 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.



17.6046, 0.2251, 0.1831



22.4109, 0.2045, 0.1489



21.2510, 0.2679, 0.1982



10.2928, 0.2984, 0.3051



2.6627, 0.1504, 0.0602



0.1280, 0.1517, 0.0610

Inverse Universe

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



26.7111, 0.3191, 0.2170



40.0153, 0.3203, 0.1976



49.1198, 0.3410, 0.4603



10.8146, 0.3139, 0.3065



10.3974, 0.3236, 0.1556



0.4930, 0.3230, 0.1553

Previews

White Background



This preview shows how the Yxy color 17.6040, 0.2251, 0.1831 looks on a white background.

Color Contrast Check

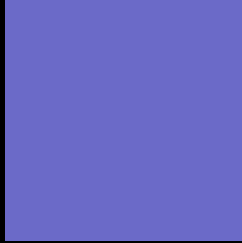
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.6040, 0.2251, 0.1831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

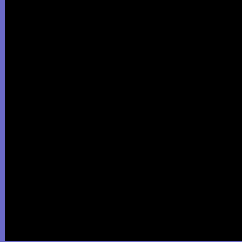
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6040, 0.2251, 0.1831

Background



This preview shows how black text looks on a background with the Yxy color 17.6040, 0.2251, 0.1831.



This preview shows how white text looks on a background with the Yxy color 17.6040, 0.2251, 0.1831.

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

17.6040, 0.2251, 0.1831

Protanopia

17.6930, 0.2005, 0.1788

Deuteranopia

17.6533, 0.1996, 0.1938



Tritanopia

17.6597, 0.2646, 0.3085

Trichromacy



Original Color

17.6040, 0.2251, 0.1831

Protanomaly

17.4428, 0.2083, 0.1797

Deuteranomaly

17.4240, 0.2067, 0.1888

Tritanomaly

17.3580, 0.2480, 0.2524

Monochromacy



Original Color

17.6040, 0.2251, 0.1831

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4275, 0.2748, 0.2664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6040, 0.2251, 0.1831 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(107, 106, 200)` looks like.

```
.text, #text, p{  
    color:rgb(107, 106, 200)  
}
```

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(107, 106, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 106, 200) }
```

Border

The CSS property to change the border of an element to Yxy 17.6040, 0.2251, 0.1831 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(107, 106, 200) }
```

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

```
.border{ border-color:rgb(107, 106, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 106, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 106, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 106, 200); box-shadow:4px 4px 4px 4px rgb(107, 106, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6040, 0.2251, 0.1831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 106, 200) }
```

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

```
.background{ background-color: rgb(107,  
106, 200) }
```

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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