

Converting Colors

$Y_{xy}(18.1947, 0.2229, 0.1746)$

Have a look what the booklet for
Yxy(18.1947, 0.2229, 0.1746)
contains.

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Color

Yxy(18.0861, 0.2227, 0.1742)

Conversions

Conversions Part 1

Format	Color
Hex	6F69D1
RGB	111, 105, 209
RGB Percent	44%, 41%, 82%
CMY	0.5646, 0.5883, 0.1803
CMYK	0.47, 0.50, 0.00, 0.18
HSL	243°, 53%, 62%
HSV	243°, 50%, 82%
XYZ	23.1216, 18.0861, 62.6161
YIQ	118.6500, -29.8080, 33.6160

Conversions

Conversions Part 2

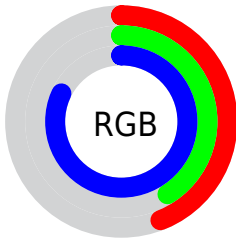
Format	Color
R _Y B	111, 105, 209
Decimal	7301585
CIE Lab	49.60, 29.37, -53.21
CIE LCh	50, 60.779, 298.892
Yxy	18.0861, 0.2227, 0.1742
Android (android.graphics.Color)	4285491665 (0xFF6F69D1)
YUV	118.6500, 44.5425, -6.7091
Hunter-Lab	42.5278, 22.6236, -57.5267

Details

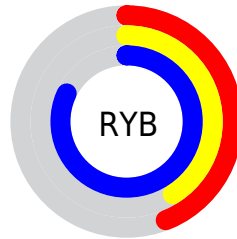
The Yxy color **18.0861, 0.2227, 0.1742** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **59.3326, 0.3801, 0.4512**, and the grayscale version is **18.1969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3218, 0.2489, 0.2123**, and **6.1161, 0.1907, 0.1323** is the 20% darker color. If you saturate the color by 10%, you get **13.2000, 0.2023, 0.1402**, and if you desaturate by 10%, it is **24.3012, 0.2435, 0.2093**.

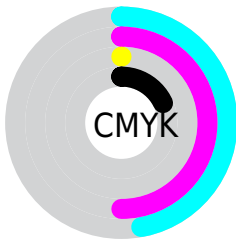
Distribution



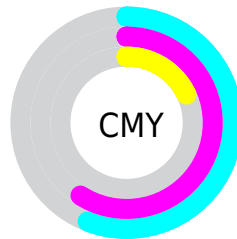
- Red (44%)
- Green (41%)
- Blue (82%)



- Red (44%)
- Yellow (41%)
- Blue (82%)



- Cyan (47%)
- Magenta (50%)
- Yellow (0%)
- Black (18%)





- Cyan (56%)
- Magenta (59%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0861, 0.2227, 0.1742 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 18.0861, 0.2227, 0.1742 by changing the saturation by 10% instead.


 18.0861, 0.2227,
0.1742

 18.0861, 0.2227,
0.1742


241.3559, 0.2733,
0.2529


 11.0118, 0.2088,
0.1553


 40.1840, 0.2422,
0.2025


 6.0748, 0.1905,
0.1320


 55.9764, 0.2492,
0.2133

 2.8906, 0.1658,
0.1032

 75.4436, 0.2550,
0.2224

 1.0749, 0.1320,
0.0684

 98.9700, 0.2599,
0.2302

 0.0000, 0.0880,
0.0000

126.9401, 0.2640,
0.2370

 0.0000, 0.0000,
0.0000

159.7382, 0.2675,

0.2430

197.7486, 0.2706,
0.2482

■ 18.0861, 0.2227,
0.1742

■ 18.0861, 0.2227,
0.1742

■ 13.2000, 0.2023,
0.1402

■ 24.3012, 0.2435,
0.2093

■ 9.5443, 0.1836,
0.1099

■ 31.9307, 0.2635,
0.2434

■ 7.0097, 0.1684,
0.0857

■ 41.0549, 0.2820,
0.2752

■ 5.4667, 0.1577,
0.0695

■ 51.7476, 0.2985,
0.3040

■ 4.6978, 0.1516,
0.0610

■ 64.0776, 0.3130,
0.3295

■ 4.6844, 0.1515,
0.0608

■ 78.1099, 0.3256,
0.3518

■ 93.9056, 0.3364,
0.3712

■ 97.3852, 0.3399,
0.3740

Harmonies

Analogous

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



18.0861, 0.1593, 0.1697



18.0861, 0.2227, 0.1742



18.0861, 0.3254, 0.2062

Triad

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



18.0861, 0.2227, 0.1742



18.0861, 0.5267, 0.4040



18.0861, 0.1829, 0.3976

Complementary

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



18.0861, 0.2227, 0.1742



59.3326, 0.3801, 0.4512

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.



18.0861, 0.2680, 0.5190



18.0861, 0.2227, 0.1742



18.0861, 0.4649, 0.4830

Square

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



18.0861, 0.2227, 0.1742



18.0861, 0.5251, 0.3293



18.0861, 0.3706, 0.5418



18.0861, 0.1380, 0.2714

Rectangle

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



18.0861, 0.2227, 0.1742



18.0861, 0.4066, 0.2409



18.0861, 0.3706, 0.5418



18.0861, 0.2074, 0.4442

Sweetspot

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



18.0867, 0.2227, 0.1742



71.7727, 0.2898, 0.2889



50.7135, 0.2466, 0.3216



14.6141, 0.2862, 0.2826



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.



18.0867, 0.2227, 0.1742



20.0951, 0.2005, 0.1373



22.4089, 0.2695, 0.1917



11.4500, 0.2991, 0.3050



2.9015, 0.1520, 0.0611



0.1740, 0.1585, 0.0647

Inverse Universe

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



27.9717, 0.3247, 0.2155



37.4233, 0.3275, 0.1957



53.2944, 0.3381, 0.4708



11.9967, 0.3147, 0.3074



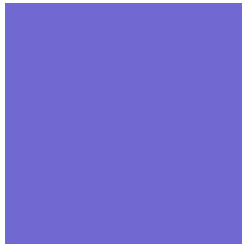
10.8444, 0.3359, 0.1624



0.6100, 0.3329, 0.1608

Previews

White Background



This preview shows how the Yxy color 18.0861, 0.2227, 0.1742 looks on a white background.

Color Contrast Check

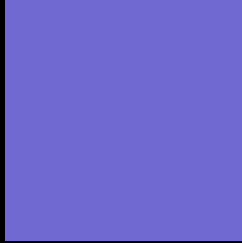
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0861, 0.2227, 0.1742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

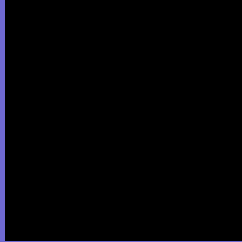
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0861, 0.2227, 0.1742

Background



This preview shows how black text looks on a background with the Yxy color 18.0861, 0.2227, 0.1742.



This preview shows how white text looks on a background with the Yxy color 18.0861, 0.2227, 0.1742.

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

18.0861, 0.2227, 0.1742

Protanopia

18.1866, 0.1930, 0.1688

Deuteranopia

18.1854, 0.1918, 0.1858



Tritanopia

18.0330, 0.2659, 0.3087

Trichromacy



Original Color

18.0861, 0.2227, 0.1742

Protanomaly

18.0245, 0.2013, 0.1700

Deuteranomaly

17.7686, 0.1989, 0.1797

Tritanomaly

17.6607, 0.2475, 0.2468

Monochromacy



Original Color

18.0861, 0.2227, 0.1742

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.0146, 0.2734, 0.2607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0861, 0.2227, 0.1742 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(111, 105, 209)` looks like.

```
.text, #text, p{  
    color:rgb(111, 105, 209)  
}
```

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(111, 105, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 105, 209) }
```

Border

The CSS property to change the border of an element to Yxy 18.0861, 0.2227, 0.1742 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(111, 105, 209) }
```

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

```
.border{ border-color:rgb(111, 105, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 105, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 105, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 105, 209);  
box-shadow:4px 4px 4px 4px rgb(111, 105,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0861, 0.2227, 0.1742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 105, 209) }
```

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

```
.background{ background-color: rgb(111,  
105, 209) }
```

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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