

Converting Colors

$Yxy(18.4118, 0.2266, 0.1678)$

Have a look what the booklet for
Yxy(18.4118, 0.2266, 0.1678)
contains.

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Color

Yxy(18.4740, 0.2265, 0.1681)

Conversions

Conversions Part 1

Format	Color
Hex	7966D7
RGB	121, 102, 215
RGB Percent	47%, 40%, 84%
CMY	0.5258, 0.5999, 0.1569
CMYK	0.44, 0.53, 0.00, 0.16
HSL	250°, 59%, 62%
HSV	250°, 53%, 84%
XYZ	24.8921, 18.4740, 66.5328
YIQ	120.5630, -24.9490, 39.1710

Conversions

Conversions Part 2

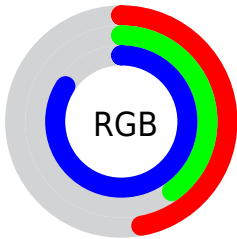
Format	Color
R_{YB}	121, 102, 215
Decimal	7956183
CIE _{Lab}	50.07, 35.13, -55.81
CIE _{LCh}	50, 65.945, 302.189
Yxy	18.4740, 0.2265, 0.1681
Android (android.graphics.Color)	4286146263 (0xFF7966D7)
YUV	120.5630, 46.5574, 0.3832
Hunter-Lab	42.9814, 28.1584, -61.6906

Details

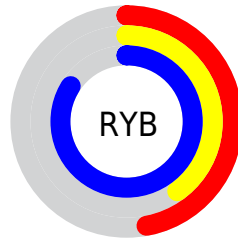
The Yxy color **18.4740, 0.2265, 0.1681** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **61.3016, 0.3732, 0.4623**, and the grayscale version is **18.8245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4674, 0.2557, 0.2111**, and **6.2315, 0.1961, 0.1261** is the 20% darker color. If you saturate the color by 10%, you get **13.6065, 0.2073, 0.1358**, and if you desaturate by 10%, it is **24.6783, 0.2458, 0.2020**.

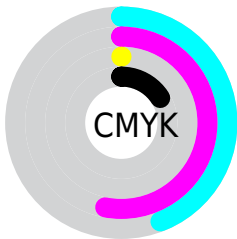
Distribution



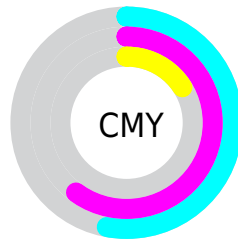
- Red (47%)
- Green (40%)
- Blue (84%)



- Red (47%)
- Yellow (40%)
- Blue (84%)



- Cyan (44%)
- Magenta (53%)
- Yellow (0%)
- Black (16%)




- Cyan (53%)
- Magenta (60%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4740, 0.2265, 0.1681 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 18.4740, 0.2265, 0.1681 by changing the saturation by 10% instead.


 18.4740, 0.2265,
0.1681


 18.4740, 0.2265,
0.1681


243.5293, 0.2752,
0.2485


 11.2908, 0.2131,
0.1492


 40.8434, 0.2452,
0.1967


 6.2628, 0.1955,
0.1262

 56.7984, 0.2520,
0.2077

 3.0055, 0.1719,
0.0981

 76.4461, 0.2576,
0.2170

 1.1346, 0.1394,
0.0649

 100.1709, 0.2623,
0.2251

 0.0073, 0.0983,
0.0008

128.3573, 0.2662,
0.2321

 0.0000, 0.0000,
0.0000

161.3895, 0.2696,

0.2383

199.6521, 0.2726,
0.2437

■ 18.4740, 0.2265,
0.1681

■ 18.4740, 0.2265,
0.1681

■ 13.6065, 0.2073,
0.1358

■ 24.6783, 0.2458,
0.2020

■ 9.9741, 0.1894,
0.1074

■ 32.3072, 0.2643,
0.2355

■ 7.4633, 0.1742,
0.0851

■ 41.4430, 0.2812,
0.2673

■ 5.9380, 0.1627,
0.0704

■ 52.1612, 0.2964,
0.2966

■ 5.2796, 0.1567,
0.0637

■ 64.5322, 0.3096,
0.3228

■ 78.6223, 0.3211,
0.3461

■ 94.4939, 0.3309,
0.3665

■ 97.6855, 0.3364,
0.3681

Harmonies

Analogous

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



18.4740, 0.1559, 0.1598



18.4740, 0.2265, 0.1681



18.4740, 0.3397, 0.2044

Triad

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



18.4740, 0.2265, 0.1681



18.4740, 0.5344, 0.4133



18.4740, 0.1663, 0.3855

Complementary

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



18.4740, 0.2265, 0.1681



61.3016, 0.3732, 0.4623

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.



18.4740, 0.2513, 0.5260



18.4740, 0.2265, 0.1681



18.4740, 0.4611, 0.4983

Square

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



18.4740, 0.2265, 0.1681



18.4740, 0.5445, 0.3349



18.4740, 0.3588, 0.5603



18.4740, 0.1256, 0.2543

Rectangle

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



18.4740, 0.2265, 0.1681



18.4740, 0.4274, 0.2420



18.4740, 0.3588, 0.5603



18.4740, 0.1902, 0.4374

Sweetspot

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



18.4746, 0.2265, 0.1681



70.7901, 0.2911, 0.2863



47.2842, 0.2402, 0.3026



14.4467, 0.2880, 0.2803



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.



18.4746, 0.2265, 0.1681



19.3682, 0.2053, 0.1325



23.8017, 0.2795, 0.1888



12.1075, 0.3007, 0.3051



3.1895, 0.1576, 0.0642



0.2238, 0.1725, 0.0724

Inverse Universe

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



27.9444, 0.3390, 0.2216



34.9368, 0.3461, 0.2039



55.1010, 0.3292, 0.4842



12.5954, 0.3163, 0.3098



10.6025, 0.3680, 0.1801



0.6492, 0.3585, 0.1749

Previews

White Background



This preview shows how the Yxy color 18.4740, 0.2265, 0.1681 looks on a white background.

Color Contrast Check

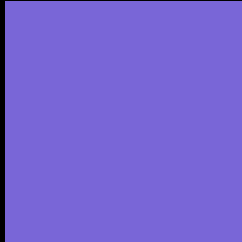
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4740, 0.2265, 0.1681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

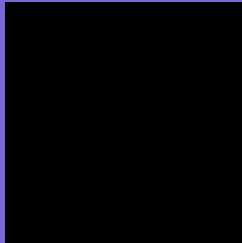
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4740, 0.2265, 0.1681

Background



This preview shows how black text looks on a background with the Yxy color 18.4740, 0.2265, 0.1681.



This preview shows how white text looks on a background with the Yxy color 18.4740, 0.2265, 0.1681.

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

18.4740, 0.2265, 0.1681

Protanopia

18.7029, 0.1861, 0.1597

Deuteranopia

18.7352, 0.1886, 0.1832



Tritanopia

18.5412, 0.2770, 0.3112

Trichromacy



Original Color

18.4740, 0.2265, 0.1681

Protanomaly

18.1534, 0.1959, 0.1604

Deuteranomaly

17.9463, 0.1960, 0.1746

Tritanomaly

18.0582, 0.2560, 0.2455

Monochromacy



Original Color

18.4740, 0.2265, 0.1681

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.4661, 0.2760, 0.2571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4740, 0.2265, 0.1681 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(121, 102, 215)` looks like.

```
.text, #text, p{  
    color:rgb(121, 102, 215)  
}
```

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(121, 102, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 102, 215) }
```

Border

The CSS property to change the border of an element to Yxy 18.4740, 0.2265, 0.1681 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(121, 102, 215) }
```

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

```
.border{ border-color:rgb(121, 102, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 102, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 102, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 102, 215);  
box-shadow:4px 4px 4px 4px rgb(121, 102,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4740, 0.2265, 0.1681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 102, 215) }
```

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

```
.background{ background-color: rgb(121,  
102, 215) }
```

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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