

Converting Colors

$Y_{xy}(18.6965, 0.2413, 0.2074)$

Have a look what the booklet for
Yxy(18.6965, 0.2413, 0.2074)
contains.

Yxy(18.7536, 0.2413, 0.2085)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.7536, 0.2413, 0.2085)

Conversions

Conversions Part 1

Format	Color
Hex	7270BB
RGB	114, 112, 187
RGB Percent	45%, 44%, 73%
CMY	0.5529, 0.5608, 0.2667
CMYK	0.39, 0.40, 0.00, 0.27
HSL	242°, 36%, 59%
HSV	242°, 40%, 73%
XYZ	21.7038, 18.7536, 49.4879
YIQ	121.1480, -22.8830, 23.7490

Conversions

Conversions Part 2

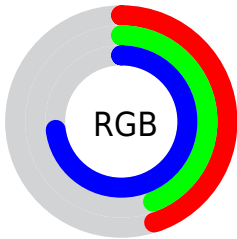
Format	Color
RYB	114, 112, 187
Decimal	7499963
CIELab	50.40, 19.41, -39.29
CIELCh	50, 43.827, 296.294
Yxy	18.7536, 0.2413, 0.2085
Android (android.graphics.Color)	4285690043 (0xFF7270BB)
YUV	121.1480, 32.4650, -6.2688
Hunter-Lab	43.3054, 13.6761, -37.4407

Details

The Yxy color **18.7536, 0.2413, 0.2085** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **47.0220, 0.3701, 0.4275**, and the grayscale version is **19.0703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5176, 0.2573, 0.2324**, and **6.3523, 0.2140, 0.1701** is the 20% darker color. If you saturate the color by 10%, you get **13.9460, 0.2202, 0.1734**, and if you desaturate by 10%, it is **24.6623, 0.2617, 0.2427**.

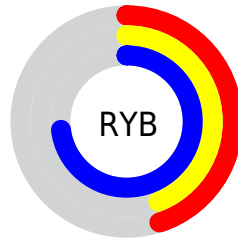
Distribution



Red (45%)

Green (44%)

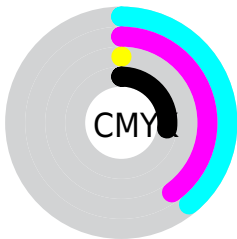
Blue (73%)



Red (45%)

Yellow (44%)

Blue (73%)

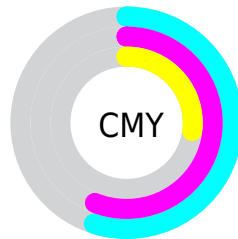


Cyan (39%)

Magenta (40%)

Yellow (0%)

Black (27%)



Cyan (55%)


Magenta (56%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7536, 0.2413, 0.2085 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 18.7536, 0.2413, 0.2085 by changing the saturation by 10% instead.


 18.7536, 0.2413,
0.2085

 18.7536, 0.2413,
0.2085


245.0851, 0.2818,
0.2723

 11.4924, 0.2297,
0.1919


 41.3173, 0.2572,
0.2323


 6.3990, 0.2140,
0.1705


 57.3886, 0.2628,
0.2411

 3.0892, 0.1918,
0.1422

 77.1654, 0.2674,
0.2484

 1.1785, 0.1593,
0.1045

 101.0320, 0.2712,
0.2547

 0.0440, 0.1084,
0.0093

129.3729, 0.2745,
0.2600

 0.0000, 0.0000,
0.0000

162.5724, 0.2773,

0.2646

201.0150, 0.2797,
0.2687

■ 18.7536, 0.2413,
0.2085

■ 18.7536, 0.2413,
0.2085

■ 13.9460, 0.2202,
0.1734

■ 24.6623, 0.2617,
0.2427

■ 10.1694, 0.1997,
0.1394

■ 31.7321, 0.2806,
0.2745

■ 7.3491, 0.1813,
0.1091

■ 40.0212, 0.2976,
0.3033

■ 5.3994, 0.1664,
0.0851

■ 49.5833, 0.3126,
0.3287

■ 4.2192, 0.1563,
0.0691

■ 60.4689, 0.3256,
0.3510

■ 3.6201, 0.1508,
0.0604

■ 72.7257, 0.3368,
0.3702

■ 86.3991, 0.3465,
0.3867

■ 96.3678, 0.3532,
0.3959

Harmonies

Analogous

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



18.7536, 0.1923, 0.2085



18.7536, 0.2413, 0.2085



18.7536, 0.3165, 0.2324

Triad

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



18.7536, 0.2413, 0.2085



18.7536, 0.4745, 0.3908



18.7536, 0.2233, 0.3864

Complementary

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



18.7536, 0.2413, 0.2085



47.0220, 0.3701, 0.4275

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.



18.7536, 0.2919, 0.4622



18.7536, 0.2413, 0.2085



18.7536, 0.4378, 0.4472

Square

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



18.7536, 0.2413, 0.2085



18.7536, 0.4627, 0.3309



18.7536, 0.3704, 0.4812



18.7536, 0.1820, 0.2983

Rectangle

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



18.7536, 0.2413, 0.2085



18.7536, 0.3739, 0.2595



18.7536, 0.3704, 0.4812



18.7536, 0.2438, 0.4158

Sweetspot

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



18.7543, 0.2413, 0.2085



68.3950, 0.2942, 0.2976



42.0441, 0.2579, 0.3270



14.6194, 0.2920, 0.2939



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.7543, 0.2413, 0.2085



26.0140, 0.2230, 0.1780



21.7314, 0.2777, 0.2196



9.2372, 0.2988, 0.3053



2.4994, 0.1510, 0.0605



0.1021, 0.1548, 0.0627

Inverse Universe

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



25.6550, 0.3195, 0.2339



40.0753, 0.3210, 0.2152



43.0286, 0.3367, 0.4396



9.6917, 0.3142, 0.3070



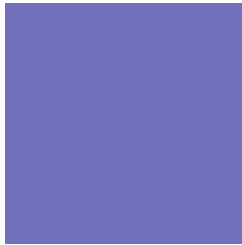
9.6076, 0.3276, 0.1579



0.3777, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 18.7536, 0.2413, 0.2085 looks on a white background.

Color Contrast Check

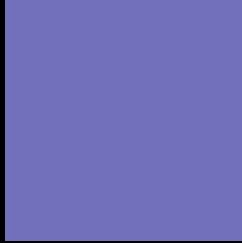
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7536, 0.2413, 0.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

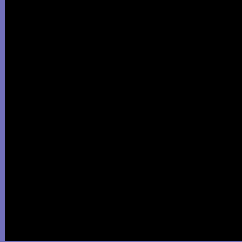
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7536, 0.2413, 0.2085

Background



This preview shows how black text looks on a background with the Yxy color 18.7536, 0.2413, 0.2085.

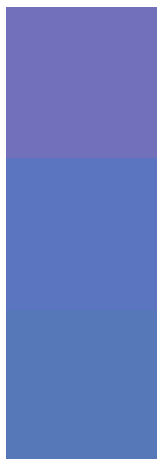


This preview shows how white text looks on a background with the Yxy color 18.7536, 0.2413, 0.2085.

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

18.7536, 0.2413, 0.2085

Protanopia

18.7525, 0.2210, 0.2052

Deuteranopia

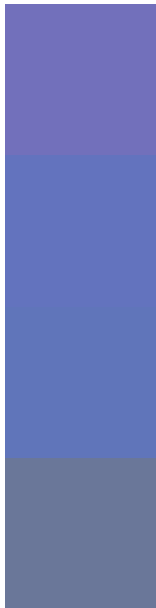
18.9142, 0.2226, 0.2180



Tritanopia

18.6261, 0.2771, 0.3093

Trichromacy



Original Color

18.7536, 0.2413, 0.2085

Protanomaly

18.6318, 0.2275, 0.2060

Deuteranomaly

18.7545, 0.2283, 0.2136

Tritanomaly

18.5577, 0.2628, 0.2666

Monochromacy



Original Color

18.7536, 0.2413, 0.2085

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.8528, 0.2831, 0.2800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7536, 0.2413, 0.2085 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(114, 112, 187)` looks like.

```
.text, #text, p{  
    color:rgb(114, 112, 187)  
}
```

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(114, 112, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 112, 187) }
```

Border

The CSS property to change the border of an element to Yxy 18.7536, 0.2413, 0.2085 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(114, 112, 187) }
```

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

```
.border{ border-color:rgb(114, 112, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 112, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 112, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 112, 187);  
box-shadow:4px 4px 4px 4px rgb(114, 112,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7536, 0.2413, 0.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 112, 187) }
```

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

```
.background{ background-color: rgb(114,  
112, 187) }
```

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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