

Converting Colors

$Y_{xy}(18.3098, 0.2238, 0.1991)$

Have a look what the booklet for
Yxy(18.3098, 0.2238, 0.1991)
contains.

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Color

$Y_{xy}(18.2572, 0.2243, 0.1991)$

Conversions

Conversions Part 1

Format	Color
Hex	6271C1
RGB	98, 113, 193
RGB Percent	38%, 44%, 76%
CMY	0.6155, 0.5569, 0.2433
CMYK	0.49, 0.41, 0.00, 0.24
HSL	231°, 43%, 57%
HSV	231°, 49%, 76%
XYZ	20.5680, 18.2572, 52.8734
YIQ	117.6350, -34.6200, 21.7000

Conversions

Conversions Part 2

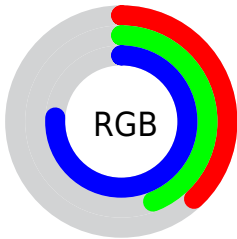
Format	Color
R_{YB}	98, 111, 193
Decimal	6451649
CIE _{Lab}	49.81, 16.54, -43.74
CIE _{LCh}	50, 46.763, 290.708
Yxy	18.2572, 0.2243, 0.1991
Android (android.graphics.Color)	4284641729 (0xFF6271C1)
YUV	117.6350, 37.1549, -17.2199
Hunter-Lab	42.7284, 11.1490, -43.4573

Details

The Yxy color **18.2572, 0.2243, 0.1991** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **44.0619, 0.3928, 0.4314**, and the grayscale version is **17.8895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6824, 0.2437, 0.2251**, and **6.2116, 0.1923, 0.1596** is the 20% darker color. If you saturate the color by 10%, you get **14.0020, 0.2050, 0.1681**, and if you desaturate by 10%, it is **23.4221, 0.2441, 0.2297**.

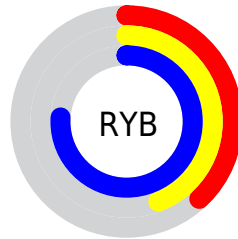
Distribution



Red (38%)

Green (44%)

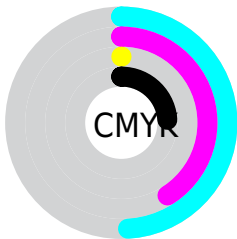
Blue (76%)



Red (38%)

Yellow (44%)

Blue (76%)

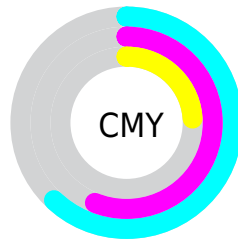


Cyan (49%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (62%)

Magenta (56%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2572, 0.2243, 0.1991 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 18.2572, 0.2243, 0.1991 by changing the saturation by 10% instead.

■ 18.2572, 0.2243,
0.1991

■ 18.2572, 0.2243,
0.1991

■ 242.3168, 0.2738,
0.2678

■ 11.1348, 0.2105,
0.1814

■ 40.4751, 0.2434,
0.2246

■ 6.1576, 0.1922,
0.1589

■ 56.3394, 0.2503,
0.2341

■ 2.9411, 0.1671,
0.1295

■ 75.8864, 0.2559,
0.2420

■ 1.1011, 0.1318,
0.0915

■ 99.5006, 0.2607,
0.2487

■ 0.0000, 0.0730,
0.0000

■ 127.5664, 0.2647,
0.2545

■ 0.0000, 0.0000,
0.0000

160.4680, 0.2682,

0.2595

198.5900, 0.2712,
0.2639

■ 18.2572, 0.2243,
0.1991

■ 18.2572, 0.2243,
0.1991

■ 14.0020, 0.2050,
0.1681

■ 23.4221, 0.2441,
0.2297

■ 10.6011, 0.1872,
0.1382

■ 29.5441, 0.2635,
0.2588

■ 7.9957, 0.1723,
0.1116

■ 36.6692, 0.2818,
0.2854

■ 6.1183, 0.1612,
0.0898

■ 44.8402, 0.2986,
0.3094

■ 4.8767, 0.1541,
0.0740

■ 54.0971, 0.3139,
0.3306

■ 4.7979, 0.1536,
0.0730

■ 64.4779, 0.3275,
0.3492

■ 76.0188, 0.3397,
0.3653

■ 88.7543, 0.3504,
0.3793

■ 96.6289, 0.3496,
0.3900

Harmonies

Analogous

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



18.2572, 0.1786, 0.2038



18.2572, 0.2243, 0.1991



18.2572, 0.2998, 0.2200

Triad

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



18.2572, 0.2243, 0.1991



18.2572, 0.4879, 0.3811



18.2572, 0.2283, 0.4092

Complementary

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



18.2572, 0.2243, 0.1991



44.0619, 0.3928, 0.4314

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.



18.2572, 0.3048, 0.4830



18.2572, 0.2243, 0.1991



18.2572, 0.4559, 0.4433

Square

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



18.2572, 0.2243, 0.1991



18.2572, 0.4654, 0.3184



18.2572, 0.3879, 0.4887



18.2572, 0.1790, 0.3113

Rectangle

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



18.2572, 0.2243, 0.1991



18.2572, 0.3609, 0.2461



18.2572, 0.3879, 0.4887



18.2572, 0.2516, 0.4397

Sweetspot

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



18.2578, 0.2243, 0.1991



71.2641, 0.2886, 0.2952



43.9054, 0.2576, 0.3529



14.6397, 0.2850, 0.2900



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



18.2578, 0.2243, 0.1991



24.5898, 0.2036, 0.1658



17.3131, 0.2489, 0.1861



9.9986, 0.2983, 0.3090



3.2695, 0.1541, 0.0745



0.2240, 0.1640, 0.1102

Inverse Universe

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



21.2689, 0.4265, 0.3092



31.3971, 0.4676, 0.3063



46.6199, 0.3556, 0.4601



10.1032, 0.3265, 0.3254



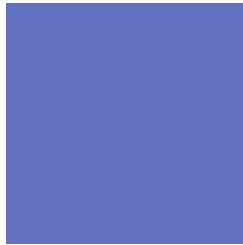
7.6123, 0.6158, 0.3166



0.3373, 0.5607, 0.2863

Previews

White Background



This preview shows how the Yxy color 18.2572, 0.2243, 0.1991 looks on a white background.

Color Contrast Check

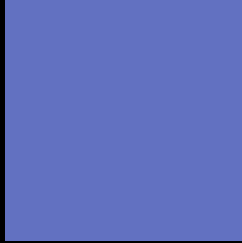
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2572, 0.2243, 0.1991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

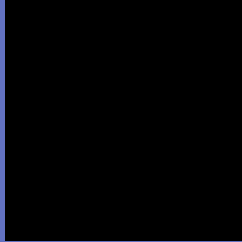
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2572, 0.2243, 0.1991

Background



This preview shows how black text looks on a background with the Yxy color 18.2572, 0.2243, 0.1991.

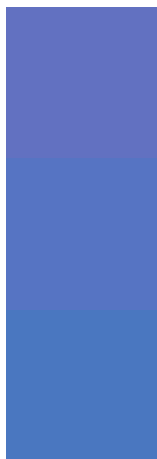


This preview shows how white text looks on a background with the Yxy color 18.2572, 0.2243, 0.1991.

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

18.2572, 0.2243, 0.1991

Protanopia

18.4093, 0.2156, 0.1991

Deuteranopia

18.4553, 0.2108, 0.2055



Tritanopia

18.1503, 0.2547, 0.3064

Trichromacy



Original Color

18.2572, 0.2243, 0.1991

Protanomaly

18.3302, 0.2185, 0.1994

Deuteranomaly

18.3674, 0.2156, 0.2036

Tritanomaly

18.1353, 0.2425, 0.2609

Monochromacy



Original Color

18.2572, 0.2243, 0.1991

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9146, 0.2750, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2572, 0.2243, 0.1991 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(98, 113, 193)` looks like.

```
.text, #text, p{  
    color:rgb(98, 113, 193)  
}
```

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(98, 113, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 113, 193) }
```

Border

The CSS property to change the border of an element to Yxy 18.2572, 0.2243, 0.1991 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(98, 113, 193) }
```

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

```
.border{ border-color:rgb(98, 113, 193) }
```

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

Here you see how a box with a 4 pixel rgb(98, 113, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 113, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 113, 193);  
box-shadow:4px 4px 4px 4px rgb(98, 113,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2572, 0.2243, 0.1991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 113, 193) }
```

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

```
.background{ background-color: rgb(98, 113,  
193) }
```

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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