

Converting Colors

$Y_{xy}(23.0880, 0.2782, 0.2239)$

Have a look what the booklet for
Yxy(23.0880, 0.2782, 0.2239)
contains.

Yxy(23.1690, 0.2786, 0.2250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.1690, 0.2786, 0.2250)

Conversions

Conversions Part 1

Format	Color
Hex	9975BD
RGB	153, 117, 189
RGB Percent	60%, 46%, 74%
CMY	0.3999, 0.5412, 0.2587
CMYK	0.19, 0.38, 0.00, 0.26
HSL	270°, 35%, 60%
HSV	270°, 38%, 74%
XYZ	28.6884, 23.1690, 51.1160
YIQ	135.9720, -1.6560, 30.0240

Conversions

Conversions Part 2

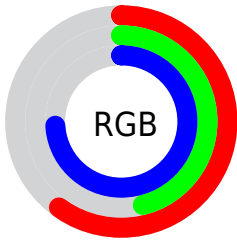
Format	Color
R _Y B	153, 117, 189
Decimal	10057149
CIE Lab	55.25, 28.30, -32.60
CIE LCh	55, 43.173, 310.962
Yxy	23.1690, 0.2786, 0.2250
Android (android.graphics.Color)	4288247229 (0xFF9975BD)
YUV	135.9720, 26.1428, 14.9336
Hunter-Lab	48.1342, 22.1526, -29.2689

Details

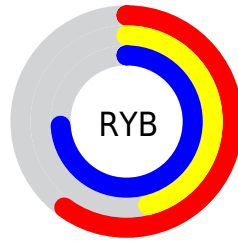
The Yxy color **23.1690, 0.2786, 0.2250** is a light color, and the websafe version is hex **996699**. A complement of this color would be **44.4596, 0.3367, 0.4334**, and the grayscale version is **24.5114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8132, 0.2859, 0.2448**, and **8.5928, 0.2643, 0.1942** is the 20% darker color. If you saturate the color by 10%, you get **18.3182, 0.2668, 0.1955**, and if you desaturate by 10%, it is **28.9837, 0.2893, 0.2543**.

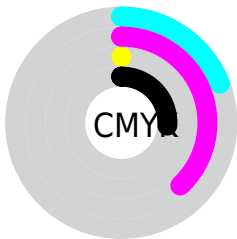
Distribution



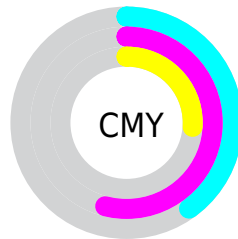
- Red (60%)
- Green (46%)
- Blue (74%)



- Red (60%)
- Yellow (46%)
- Blue (74%)



- Cyan (19%)
- Magenta (38%)
- Yellow (0%)
- Black (26%)



- Cyan (40%)
- Magenta (54%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1690, 0.2786, 0.2250 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 23.1690, 0.2786, 0.2250 by changing the saturation by 10% instead.

■ 23.1690, 0.2786,
0.2250

■ 23.1690, 0.2786,
0.2250

■ 268.5918, 0.2984,
0.2786

■ 14.7183, 0.2727,
0.2114

■ 48.6707, 0.2865,
0.2447

■ 8.6220, 0.2646,
0.1939

■ 66.4905, 0.2893,
0.2520

■ 4.4954, 0.2527,
0.1707

■ 88.2021, 0.2915,
0.2582

■ 1.9544, 0.2343,
0.1391

■ 114.1900, 0.2934,
0.2635

■ 0.5808, 0.2045,
0.0906

■ 144.8385, 0.2949,
0.2680

■ 0.0000, 0.0906,
0.0000

■ 180.5321, 0.2963,

■ 0.0000, 0.0000,

0.2720

0.0000

221.6550, 0.2974,
0.2755

■ 23.1690, 0.2786,
0.2250

■ 23.1690, 0.2786,
0.2250

■ 18.3182, 0.2668,
0.1955

■ 28.9837, 0.2893,
0.2543

■ 14.3730, 0.2541,
0.1671

■ 35.8105, 0.2988,
0.2825

■ 11.2729, 0.2409,
0.1412

■ 43.6976, 0.3070,
0.3090

■ 8.9485, 0.2279,
0.1193

■ 52.6893, 0.3140,
0.3335

■ 7.3189, 0.2155,
0.1024

■ 62.8273, 0.3198,
0.3557

■ 6.2584, 0.2043,
0.0907

■ 74.1510, 0.3248,
0.3758

■ 6.0844, 0.2022,
0.0888

■ 86.6981, 0.3289,
0.3937

■ 91.7864, 0.3343,
0.3978

■ 93.3792, 0.3406,
0.3964

Harmonies

Analogous

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



23.1690, 0.2199, 0.2138



23.1690, 0.2786, 0.2250



23.1690, 0.3553, 0.2571

Triad

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



23.1690, 0.2786, 0.2250



23.1690, 0.4509, 0.4147



23.1690, 0.2077, 0.3412

Complementary

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



23.1690, 0.2786, 0.2250



44.4596, 0.3367, 0.4334

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.



23.1690, 0.2609, 0.4210



23.1690, 0.2786, 0.2250



23.1690, 0.4016, 0.4583

Square

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



23.1690, 0.2786, 0.2250



23.1690, 0.4623, 0.3594



23.1690, 0.3319, 0.4667



23.1690, 0.1831, 0.2698

Rectangle

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



23.1690, 0.2786, 0.2250



23.1690, 0.4053, 0.2874



23.1690, 0.3319, 0.4667



23.1690, 0.2225, 0.3688

Sweetspot

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



23.1699, 0.2786, 0.2250



73.7028, 0.3046, 0.3011



30.2406, 0.2522, 0.2732



15.4315, 0.3035, 0.2975



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.



23.1699, 0.2786, 0.2250



33.8932, 0.2684, 0.1995



27.2168, 0.3171, 0.2362



9.4535, 0.3060, 0.3058



4.1382, 0.2035, 0.0895



0.2010, 0.2302, 0.1042

Inverse Universe

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



25.8413, 0.3586, 0.2799



39.5822, 0.3737, 0.2690



41.4698, 0.3073, 0.4434



9.6138, 0.3212, 0.3176



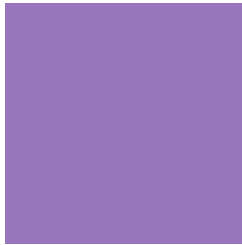
7.8439, 0.4935, 0.2492



0.3205, 0.4415, 0.2206

Previews

White Background



This preview shows how the Yxy color 23.1690, 0.2786, 0.2250 looks on a white background.

Color Contrast Check

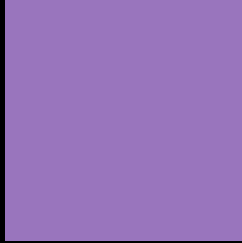
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1690, 0.2786, 0.2250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

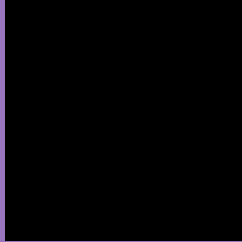
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1690, 0.2786, 0.2250

Background



This preview shows how black text looks on a background with the Yxy color 23.1690, 0.2786, 0.2250.



This preview shows how white text looks on a background with the Yxy color 23.1690, 0.2786, 0.2250.

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

23.1690, 0.2786, 0.2250

Protanopia

23.3235, 0.2325, 0.2205

Deuteranopia

23.2885, 0.2458, 0.2406



Tritanopia

23.2026, 0.3205, 0.3124

Trichromacy



Original Color

23.1690, 0.2786, 0.2250

Protanomaly

22.9378, 0.2466, 0.2209

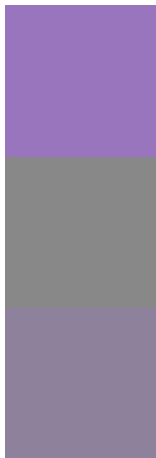
Deuteranomaly

23.0988, 0.2570, 0.2343

Tritanomaly

23.0527, 0.3037, 0.2764

Monochromacy



Original Color

23.1690, 0.2786, 0.2250

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.8179, 0.3001, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1690, 0.2786, 0.2250 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(153, 117, 189)` looks like.

```
.text, #text, p{  
    color:rgb(153, 117, 189)  
}
```

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(153, 117, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 117, 189) }
```

Border

The CSS property to change the border of an element to Yxy 23.1690, 0.2786, 0.2250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

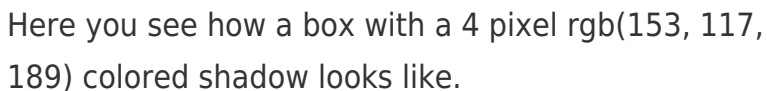
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 117, 189) }
```

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

```
.border{ border-color:rgb(153, 117, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 117, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 117, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 117, 189); box-shadow:4px 4px 4px 4px rgb(153, 117, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1690, 0.2786, 0.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 117, 189) }
```

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

```
.background{ background-color: rgb(153,  
117, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor