

Converting Colors

$Y_{xy}(23.6127, 0.2501, 0.2208)$

Have a look what the booklet for
Yxy(23.6127, 0.2501, 0.2208)
contains.

Yxy(23.7448, 0.2506, 0.2215)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7448, 0.2506, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	827EC6
RGB	130, 126, 198
RGB Percent	51%, 49%, 78%
CMY	0.4900, 0.5059, 0.2235
CMYK	0.34, 0.36, 0.00, 0.22
HSL	243°, 39%, 64%
HSV	243°, 36%, 78%
XYZ	26.8643, 23.7448, 56.5909
YIQ	135.4040, -20.7280, 23.2400

Conversions

Conversions Part 2

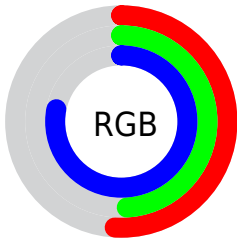
Format	Color
R_{YB}	130, 126, 198
Decimal	8552134
CIE _{Lab}	55.83, 18.51, -36.96
CIE _{LCh}	56, 41.334, 296.611
Yxy	23.7448, 0.2506, 0.2215
Android (android.graphics.Color)	4286742214 (0xFF827EC6)
YUV	135.4040, 30.8598, -4.7393
Hunter-Lab	48.7286, 13.1328, -34.7462

Details

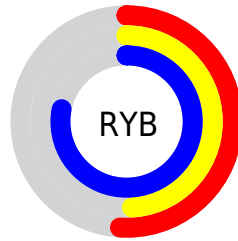
The Yxy color **23.7448, 0.2506, 0.2215** is a light color, and the websafe version is hex **666699**. A complement of this color would be **53.3542, 0.3633, 0.4196**, and the grayscale version is **24.2779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7745, 0.2639, 0.2424**, and **8.8992, 0.2278, 0.1886** is the 20% darker color. If you saturate the color by 10%, you get **17.8274, 0.2300, 0.1867**, and if you desaturate by 10%, it is **30.9343, 0.2701, 0.2548**.

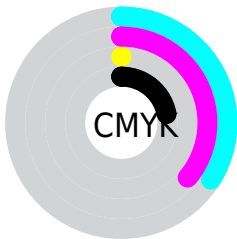
Distribution



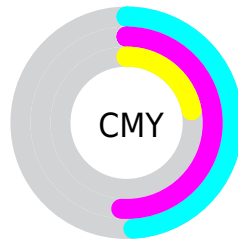
- Red (51%)
- Green (49%)
- Blue (78%)



- Red (51%)
- Yellow (49%)
- Blue (78%)



- Cyan (34%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7448, 0.2506, 0.2215 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 23.7448, 0.2506, 0.2215 by changing the saturation by 10% instead.

■ 23.7448, 0.2506,
0.2215

■ 23.7448, 0.2506,
0.2215

■ 271.5277, 0.2849,
0.2770

■ 15.1444, 0.2411,
0.2074

■ 49.6134, 0.2638,
0.2419

■ 8.9208, 0.2285,
0.1893

■ 67.6505, 0.2685,
0.2496

■ 4.6896, 0.2110,
0.1655

■ 89.6019, 0.2724,
0.2560

■ 2.0663, 0.1855,
0.1335

■ 115.8520, 0.2757,
0.2614

■ 0.6456, 0.1471,
0.0875

■ 146.7852, 0.2785,
0.2661

■ 0.0000, 0.0052,
0.0000

■ 182.7860, 0.2809,

■ 0.0000, 0.0000,

0.2702

0.0000

224.2387, 0.2830,
0.2739

■ 23.7448, 0.2506,
0.2215

■ 23.7448, 0.2506,
0.2215

■ 17.8274, 0.2300,
0.1867

■ 30.9343, 0.2701,
0.2548

■ 13.1055, 0.2093,
0.1521

■ 39.4612, 0.2879,
0.2856

■ 9.4985, 0.1899,
0.1203

■ 49.3896, 0.3037,
0.3131

■ 6.9144, 0.1734,
0.0937

■ 60.7785, 0.3175,
0.3375

■ 5.2469, 0.1609,
0.0745

■ 73.6837, 0.3295,
0.3586

■ 4.3612, 0.1534,
0.0636

■ 88.1580, 0.3397,
0.3770

■ 4.1492, 0.1516,
0.0609

■ 96.8571, 0.3466,
0.3850

Harmonies

Analogous

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



23.7448, 0.2059, 0.2218



23.7448, 0.2506, 0.2215



23.7448, 0.3175, 0.2433

Triad

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



23.7448, 0.2506, 0.2215



23.7448, 0.4549, 0.3869



23.7448, 0.2340, 0.3781

Complementary

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



23.7448, 0.2506, 0.2215



53.3542, 0.3633, 0.4196

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.



23.7448, 0.2951, 0.4427



23.7448, 0.2506, 0.2215



23.7448, 0.4238, 0.4355

Square

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



23.7448, 0.2506, 0.2215



23.7448, 0.4439, 0.3330



23.7448, 0.3647, 0.4617



23.7448, 0.1965, 0.3028

Rectangle

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



23.7448, 0.2506, 0.2215



23.7448, 0.3673, 0.2679



23.7448, 0.3647, 0.4617



23.7448, 0.2523, 0.4030

Sweetspot

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



23.7457, 0.2506, 0.2215



78.7116, 0.2963, 0.3003



47.2721, 0.2615, 0.3238



16.3334, 0.2942, 0.2965



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.



23.7457, 0.2506, 0.2215



33.2057, 0.2336, 0.1927



27.0594, 0.2840, 0.2308



10.3155, 0.2991, 0.3052



2.7108, 0.1520, 0.0611



0.1385, 0.1591, 0.0650

Inverse Universe

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



30.8169, 0.3210, 0.2444



47.6646, 0.3231, 0.2262



49.2017, 0.3329, 0.4295



10.8059, 0.3146, 0.3075



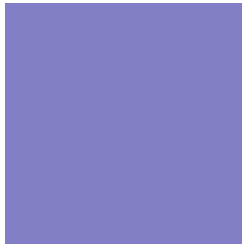
10.1410, 0.3354, 0.1621



0.4834, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 23.7448, 0.2506, 0.2215 looks on a white background.

Color Contrast Check

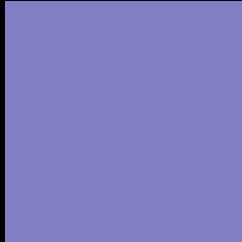
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7448, 0.2506, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

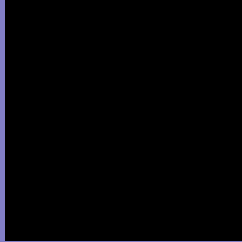
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7448, 0.2506, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 23.7448, 0.2506, 0.2215.



This preview shows how white text looks on a background with the Yxy color 23.7448, 0.2506, 0.2215.

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

23.7448, 0.2506, 0.2215

Protanopia

23.7481, 0.2323, 0.2199

Deuteranopia

23.9321, 0.2345, 0.2288



Tritanopia

23.6368, 0.2840, 0.3096

Trichromacy



Original Color

23.7448, 0.2506, 0.2215

Protanomaly

23.6995, 0.2384, 0.2196

Deuteranomaly

23.6413, 0.2397, 0.2255

Tritanomaly

23.4667, 0.2705, 0.2724

Monochromacy



Original Color

23.7448, 0.2506, 0.2215

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.9577, 0.2877, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7448, 0.2506, 0.2215 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(130, 126, 198)` looks like.

```
.text, #text, p{  
    color:rgb(130, 126, 198)  
}
```

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(130, 126, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 126, 198) }
```

Border

The CSS property to change the border of an element to Yxy 23.7448, 0.2506, 0.2215 is called "border". The border property can be set on classes, ids or directly on the HTML element.

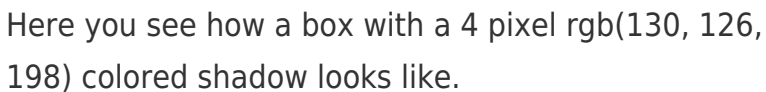
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(130, 126, 198) }
```

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

```
.border{ border-color:rgb(130, 126, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(130, 126, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 126, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 126, 198);  
box-shadow:4px 4px 4px 4px rgb(130, 126,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7448, 0.2506, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 126, 198) }
```

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

```
.background{ background-color: rgb(130,  
126, 198) }
```

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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