

Converting Colors

$Y_{xy}(22.9701, 0.2447, 0.1958)$

Have a look what the booklet for
Yxy(22.9701, 0.2447, 0.1958)
contains.

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Color

Yxy(23.0793, 0.2446, 0.1960)

Conversions

Conversions Part 1

Format	Color
Hex	8976D5
RGB	137, 118, 213
RGB Percent	54%, 46%, 84%
CMY	0.4627, 0.5372, 0.1648
CMYK	0.36, 0.45, 0.00, 0.16
HSL	252°, 53%, 65%
HSV	252°, 45%, 84%
XYZ	28.8020, 23.0793, 65.8702
YIQ	134.5110, -19.1710, 33.5730

Conversions

Conversions Part 2

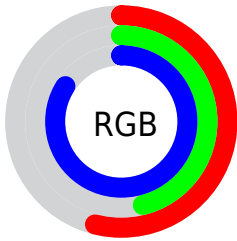
Format	Color
R _Y B	137, 118, 213
Decimal	9008853
CIE Lab	55.15, 29.14, -46.47
CIE LCh	55, 54.852, 302.091
Yxy	23.0793, 0.2446, 0.1960
Android (android.graphics.Color)	4287198933 (0xFF8976D5)
YUV	134.5110, 38.6951, 2.1829
Hunter-Lab	48.0409, 22.9447, -47.6655

Details

The Yxy color **23.0793, 0.2446, 0.1960** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **60.3513, 0.3629, 0.4443**, and the grayscale version is **23.8987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3069, 0.2686, 0.2335**, and **8.5639, 0.2206, 0.1592** is the 20% darker color. If you saturate the color by 10%, you get **17.2893, 0.2258, 0.1627**, and if you desaturate by 10%, it is **30.2307, 0.2627, 0.2294**.

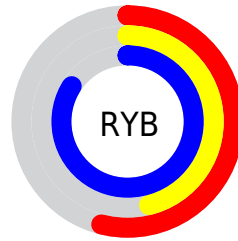
Distribution



Red (54%)

Green (46%)

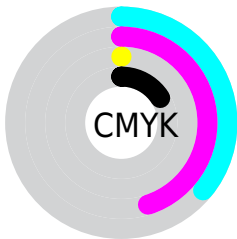
Blue (84%)



Red (54%)

Yellow (46%)

Blue (84%)

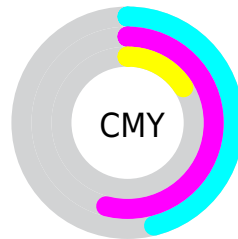


Cyan (36%)

Magenta (45%)

Yellow (0%)

Black (16%)



Cyan (46%)


Magenta (54%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0793, 0.2446, 0.1960 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 23.0793, 0.2446, 0.1960 by changing the saturation by 10% instead.


 23.0793, 0.2446,
0.1960


 23.0793, 0.2446,
0.1960


268.1320, 0.2824,
0.2627


 14.6521, 0.2342,
0.1799


 48.5235, 0.2591,
0.2200

 8.5756, 0.2205,
0.1599


 66.3093, 0.2643,
0.2291

 4.4654, 0.2018,
0.1345


 87.9833, 0.2687,
0.2368

 1.9372, 0.1752,
0.1023

113.9301, 0.2723,
0.2434

 0.5706, 0.1371,
0.0591

144.5340, 0.2754,
0.2492

 0.0000, 0.0496,
0.0000

180.1793, 0.2781,

 0.0000, 0.0000,

0.2543

0.0000

221.2505, 0.2804,
0.2587

■ 23.0793, 0.2446,
0.1960

■ 23.0793, 0.2446,
0.1960

■ 17.2893, 0.2258,
0.1627

■ 30.2307, 0.2627,
0.2294

■ 12.7703, 0.2071,
0.1313

■ 38.8210, 0.2793,
0.2613

■ 9.4249, 0.1897,
0.1042

■ 48.9245, 0.2942,
0.2909

■ 7.1400, 0.1750,
0.0834

■ 60.6098, 0.3073,
0.3177

■ 5.7792, 0.1638,
0.0699

■ 73.9415, 0.3186,
0.3415

■ 5.3075, 0.1592,
0.0651

■ 88.9802, 0.3283,
0.3626

■ 97.5828, 0.3376,
0.3701

Harmonies

Analogous

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



23.0793, 0.1840, 0.1899



23.0793, 0.2446, 0.1960



23.0793, 0.3354, 0.2272

Triad

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



23.0793, 0.2446, 0.1960



23.0793, 0.4936, 0.4080



23.0793, 0.1972, 0.3746

Complementary

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



23.0793, 0.2446, 0.1960



60.3513, 0.3629, 0.4443

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.



23.0793, 0.2694, 0.4749



23.0793, 0.2446, 0.1960



23.0793, 0.4404, 0.4725

Square

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



23.0793, 0.2446, 0.1960



23.0793, 0.4947, 0.3408



23.0793, 0.3584, 0.5088



23.0793, 0.1593, 0.2744

Rectangle

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



23.0793, 0.2446, 0.1960



23.0793, 0.4024, 0.2596



23.0793, 0.3584, 0.5088



23.0793, 0.2180, 0.4116

Sweetspot

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



23.0801, 0.2446, 0.1960



75.9553, 0.2962, 0.2950



47.9386, 0.2489, 0.3050



15.4728, 0.2931, 0.2887



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.



23.0801, 0.2446, 0.1960



26.0174, 0.2258, 0.1628



27.8172, 0.2876, 0.2106



12.1271, 0.3012, 0.3051



3.2774, 0.1602, 0.0656



0.2329, 0.1767, 0.0747

Inverse Universe

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



30.9958, 0.3374, 0.2396



39.6244, 0.3447, 0.2219



55.1875, 0.3268, 0.4591



12.5882, 0.3168, 0.3105



10.4382, 0.3786, 0.1859



0.6407, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 23.0793, 0.2446, 0.1960 looks on a white background.

Color Contrast Check

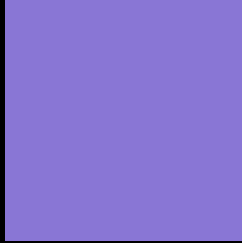
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0793, 0.2446, 0.1960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

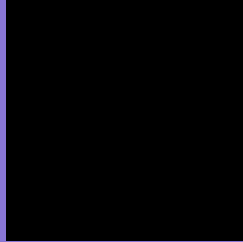
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0793, 0.2446, 0.1960

Background



This preview shows how black text looks on a background with the Yxy color 23.0793, 0.2446, 0.1960.



This preview shows how white text looks on a background with the Yxy color 23.0793, 0.2446, 0.1960.

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

23.0793, 0.2446, 0.1960

Protanopia

23.3035, 0.2100, 0.1913

Deuteranopia

23.2304, 0.2147, 0.2087



Tritanopia

23.2014, 0.2897, 0.3114

Trichromacy



Original Color

23.0793, 0.2446, 0.1960

Protanomaly

22.9698, 0.2204, 0.1925

Deuteranomaly

22.9461, 0.2239, 0.2031

Tritanomaly

22.8149, 0.2712, 0.2618

Monochromacy



Original Color

23.0793, 0.2446, 0.1960

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.5791, 0.2859, 0.2739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0793, 0.2446, 0.1960 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(137, 118, 213)` looks like.

```
.text, #text, p{  
    color:rgb(137, 118, 213)  
}
```

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(137, 118, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 118, 213) }
```

Border

The CSS property to change the border of an element to Yxy 23.0793, 0.2446, 0.1960 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(137, 118, 213) }
```

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

```
.border{ border-color:rgb(137, 118, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 118, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 118, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 118, 213);  
box-shadow:4px 4px 4px 4px rgb(137, 118,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0793, 0.2446, 0.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 118, 213) }
```

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

```
.background{ background-color: rgb(137,  
118, 213) }
```

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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