

Converting Colors

$Y_{xy}(23.1306, 0.2776, 0.2802)$

Have a look what the booklet for
Yxy(23.1306, 0.2776, 0.2802)
contains.

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Color

Yxy(23.1306, 0.2776, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	7D83A0
RGB	125, 131, 160
RGB Percent	49%, 51%, 63%
CMY	0.5098, 0.4862, 0.3726
CMYK	0.22, 0.18, 0.00, 0.37
HSL	230°, 16%, 56%
HSV	230°, 22%, 63%
XYZ	22.9160, 23.1306, 36.5038
YIQ	132.5120, -12.8850, 7.7470

Conversions

Conversions Part 2

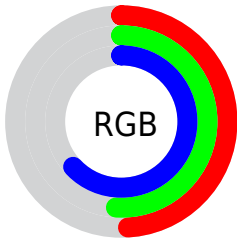
Format	Color
R_{YB}	125, 130, 160
Decimal	8225696
CIE _{Lab}	55.21, 4.27, -16.17
CIE _{LCh}	55, 16.724, 284.803
Yxy	23.1306, 0.2776, 0.2802
Android (android.graphics.Color)	4286415776 (0xFF7D83A0)
YUV	132.5120, 13.5516, -6.5880
Hunter-Lab	48.0943, 0.8867, -11.3353

Details

The Yxy color $23.1306, 0.2776, 0.2802$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $32.0491, 0.3466, 0.3735$, and the grayscale version is $23.2221, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.6523, 0.2850, 0.2903$, and $8.6132, 0.2643, 0.2639$ is the 20% darker color. If you saturate the color by 10%, you get $18.6892, 0.2594, 0.2538$, and if you desaturate by 10%, it is $28.2227, 0.2945, 0.3041$.

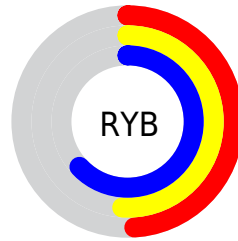
Distribution



Red (49%)

Green (51%)

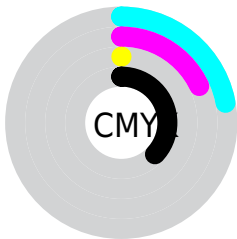
Blue (63%)



Red (49%)

Yellow (51%)

Blue (63%)

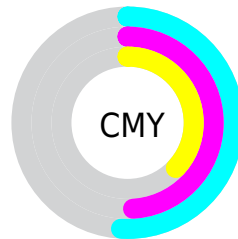


Cyan (22%)

Magenta (18%)

Yellow (0%)

Black (37%)



Cyan (51%)

Magenta (49%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1306, 0.2776, 0.2802 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 23.1306, 0.2776, 0.2802 by changing the saturation by 10% instead.

■ 23.1306, 0.2776,
0.2802

■ 23.1306, 0.2776,
0.2802

268.3951, 0.2971,
0.3069

■ 14.6900, 0.2720,
0.2727

■ 48.6077, 0.2852,
0.2905

■ 8.6021, 0.2642,
0.2625

■ 66.4129, 0.2879,
0.2942

■ 4.4826, 0.2530,
0.2478

■ 88.1085, 0.2901,
0.2972

■ 1.9470, 0.2352,
0.2253

114.0788, 0.2920,
0.2998

■ 0.5764, 0.2023,
0.1788

144.7082, 0.2936,
0.3020

■ 0.0000, 0.0000,
0.0000

180.3811, 0.2949,

0.3038

221.4819, 0.2961,
0.3055

■ 23.1306, 0.2776,
0.2802

■ 23.1306, 0.2776,
0.2802

■ 18.6892, 0.2594,
0.2538

■ 28.2227, 0.2945,
0.3041

■ 14.8694, 0.2403,
0.2253

■ 33.9875, 0.3100,
0.3253

■ 11.6438, 0.2209,
0.1953

■ 40.4495, 0.3239,
0.3440

■ 8.9819, 0.2022,
0.1652

■ 47.6310, 0.3364,
0.3603

■ 6.8507, 0.1852,
0.1364

■ 55.5536, 0.3474,
0.3745

■ 5.2133, 0.1711,
0.1107

■ 64.2375, 0.3572,
0.3868

■ 4.0277, 0.1607,
0.0897

■ 73.7026, 0.3658,
0.3974

■ 3.3453, 0.1546,
0.0767

■ 83.9677, 0.3735,
0.4067

■ 92.3048, 0.3705,
0.4179

Harmonies

Analogous

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



23.1306, 0.2610, 0.2867



23.1306, 0.2776, 0.2802



23.1306, 0.3040, 0.2857

Triad

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



23.1306, 0.2776, 0.2802



23.1306, 0.3712, 0.3485



23.1306, 0.2903, 0.3591

Complementary

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



23.1306, 0.2776, 0.2802



32.0491, 0.3466, 0.3735

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.



23.1306, 0.3192, 0.3777



23.1306, 0.2776, 0.2802



23.1306, 0.3666, 0.3697

Square

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



23.1306, 0.2776, 0.2802



23.1306, 0.3591, 0.3239



23.1306, 0.3473, 0.3811



23.1306, 0.2680, 0.3317

Rectangle

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



23.1306, 0.2776, 0.2802



23.1306, 0.3242, 0.2952



23.1306, 0.3473, 0.3811



23.1306, 0.2995, 0.3667

Sweetspot

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



23.1315, 0.2776, 0.2802



56.0630, 0.3020, 0.3145



31.8115, 0.2861, 0.3394



12.1729, 0.3012, 0.3133



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.1315, 0.2776, 0.2802



38.1327, 0.2693, 0.2683



22.4420, 0.2886, 0.2717



6.6106, 0.2988, 0.3099



2.6540, 0.1550, 0.0779



0.0925, 0.1709, 0.1351

Inverse Universe

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



23.7749, 0.3484, 0.3196



39.6076, 0.3583, 0.3175



32.9941, 0.3335, 0.3841



6.6639, 0.3258, 0.3252



5.8901, 0.6104, 0.3136



0.1099, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 23.1306, 0.2776, 0.2802 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 23.1306, 0.2776, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

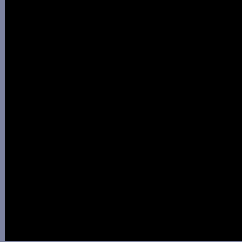
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

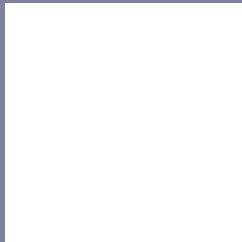
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1306, 0.2776, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 23.1306, 0.2776, 0.2802.



This preview shows how white text looks on a background with the Yxy color 23.1306, 0.2776, 0.2802.

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

23.1306, 0.2776, 0.2802

Protanopia

23.2063, 0.2786, 0.2803

Deuteranopia

23.0639, 0.2835, 0.2776



Tritanopia

23.2014, 0.2897, 0.3114

Trichromacy



Original Color

23.1306, 0.2776, 0.2802

Protanomaly

23.2063, 0.2786, 0.2803

Deuteranomaly

23.1705, 0.2815, 0.2790

Tritanomaly

23.1880, 0.2850, 0.2995

Monochromacy



Original Color

23.1306, 0.2776, 0.2802

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.2315, 0.2991, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1306, 0.2776, 0.2802 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(125, 131, 160)` looks like.

```
.text, #text, p{  
    color:rgb(125, 131, 160)  
}
```

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(125, 131, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 131, 160) }
```

Border

The CSS property to change the border of an element to Yxy 23.1306, 0.2776, 0.2802 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(125, 131, 160) }
```

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

```
.border{ border-color:rgb(125, 131, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 131, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 131, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 131, 160);  
box-shadow:4px 4px 4px 4px rgb(125, 131,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1306, 0.2776, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 131, 160) }
```

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

```
.background{ background-color: rgb(125,  
131, 160) }
```

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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