

Converting Colors

$Y_{xy}(22.9237, 0.2232, 0.2856)$

Have a look what the booklet for
Yxy(22.9237, 0.2232, 0.2856)
contains.

Yxy(23.0762, 0.2234, 0.2860)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.0762, 0.2234, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	328FA6
RGB	50, 143, 166
RGB Percent	20%, 56%, 65%
CMY	0.8035, 0.4392, 0.3490
CMYK	0.70, 0.14, 0.00, 0.35
HSL	192°, 54%, 42%
HSV	192°, 70%, 65%
XYZ	18.0253, 23.0762, 39.5846
YIQ	117.8150, -62.8110, -12.5630

Conversions

Conversions Part 2

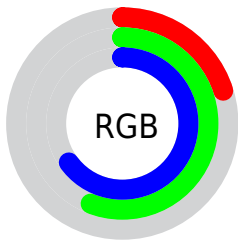
Format	Color
RYB	50, 102, 166
Decimal	3313574
CIELab	55.15, -19.42, -20.07
CIELCh	55, 27.925, 225.943
Yxy	23.0762, 0.2234, 0.2860
Android (android.graphics.Color)	4281503654 (0xFF328FA6)
YUV	117.8150, 23.7552, -59.4738
Hunter-Lab	48.0377, -17.0871, -15.2304

Details

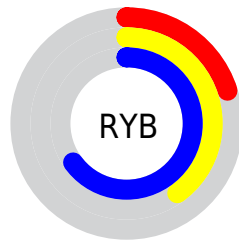
The Yxy color **23.0762, 0.2234, 0.2860** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.1214, 0.5137, 0.3605**, and the grayscale version is **18.0047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5325, 0.2416, 0.2963**, and **8.8692, 0.2080, 0.2687** is the 20% darker color. If you saturate the color by 10%, you get **21.7526, 0.2162, 0.2789**, and if you desaturate by 10%, it is **24.5837, 0.2325, 0.2931**.

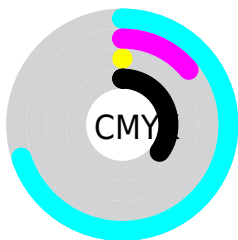
Distribution



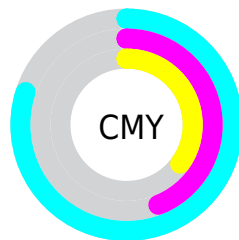
- Red (20%)
- Green (56%)
- Blue (65%)



- Red (20%)
- Yellow (40%)
- Blue (65%)



- Cyan (70%)
- Magenta (14%)
- Yellow (0%)
- Black (35%)





- Cyan (80%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0762, 0.2234, 0.2860 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 23.0762, 0.2234, 0.2860 by changing the saturation by 10% instead.


 23.0762, 0.2234,
0.2860


 23.0762, 0.2234,
0.2860


268.1161, 0.2715,
0.3110


 14.6498, 0.2103,
0.2784


 48.5184, 0.2417,
0.2960


 8.5740, 0.1930,
0.2677


 66.3030, 0.2483,
0.2995

 4.4644, 0.1691,
0.2519

 87.9758, 0.2538,
0.3023

 1.9366, 0.1347,
0.2264

 113.9211, 0.2585,
0.3047

 0.5702, 0.0219,
0.1841

 144.5234, 0.2624,
0.3066

 0.0000, 0.0000,
0.0000

180.1671, 0.2659,

0.3083

221.2365, 0.2689,
0.3098

■ 23.0762, 0.2234,
0.2860

■ 23.0762, 0.2234,
0.2860

■ 21.7526, 0.2162,
0.2789

■ 24.5837, 0.2325,
0.2931

■ 20.5926, 0.2108,
0.2717

■ 26.2876, 0.2433,
0.3000

■ 19.5583, 0.2069,
0.2647

■ 28.2022, 0.2555,
0.3066

■ 19.5395, 0.2068,
0.2645

■ 30.3394, 0.2689,
0.3129

■ 32.7102, 0.2831,
0.3187

■ 35.3250, 0.2979,
0.3241

■ 38.1932, 0.3130,
0.3291

■ 41.3239, 0.3281,
0.3336

■ 44.7257, 0.3431,
0.3376

Harmonies

Analogous

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



23.0762, 0.2384, 0.3302



23.0762, 0.2234, 0.2860



23.0762, 0.2297, 0.2584

Triad

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



23.0762, 0.2234, 0.2860



23.0762, 0.3496, 0.2853



23.0762, 0.3671, 0.4167

Complementary

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



23.0762, 0.2234, 0.2860



13.1214, 0.5137, 0.3605

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.



23.0762, 0.4012, 0.3953



23.0762, 0.2234, 0.2860



23.0762, 0.3919, 0.3205

Square

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



23.0762, 0.2234, 0.2860



23.0762, 0.2992, 0.2603



23.0762, 0.4111, 0.3597



23.0762, 0.3199, 0.4123

Rectangle

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



23.0762, 0.2234, 0.2860



23.0762, 0.2453, 0.2509



23.0762, 0.4111, 0.3597



23.0762, 0.3805, 0.4119

Sweetspot

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



23.0770, 0.2234, 0.2860



58.6514, 0.2808, 0.3178



28.4164, 0.2919, 0.5150



12.8648, 0.2770, 0.3163



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.0770, 0.2234, 0.2860



38.2301, 0.2128, 0.2748



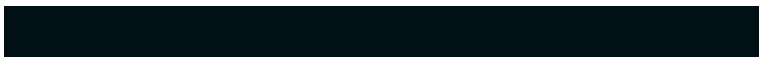
10.2206, 0.1957, 0.1725



8.2752, 0.2987, 0.3244



15.2163, 0.2070, 0.2652



0.4329, 0.2135, 0.2885

Inverse Universe

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



12.3817, 0.3553, 0.2015



19.2162, 0.3674, 0.1886



24.1212, 0.4421, 0.4407



7.6407, 0.3166, 0.3111



7.6071, 0.3774, 0.1853



0.1914, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 23.0762, 0.2234, 0.2860 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 23.0762, 0.2234, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

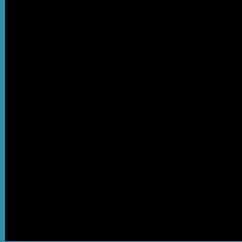
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0762, 0.2234, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 23.0762, 0.2234, 0.2860.

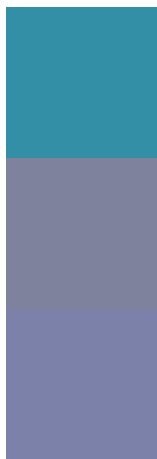


This preview shows how white text looks on a background with the Yxy color 23.0762, 0.2234, 0.2860.

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

23.0762, 0.2234, 0.2860

Protanopia

22.8352, 0.2812, 0.2832

Deuteranopia

22.8502, 0.2684, 0.2630



Tritanopia

23.1866, 0.2277, 0.3076

Trichromacy



Original Color

23.0762, 0.2234, 0.2860

Protanomaly

22.4627, 0.2536, 0.2842

Deuteranomaly

22.4187, 0.2466, 0.2693

Tritanomaly

23.0654, 0.2257, 0.2984

Monochromacy



Original Color

23.0762, 0.2234, 0.2860

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.2552, 0.2679, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0762, 0.2234, 0.2860 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(50, 143, 166)` looks like.

```
.text, #text, p{  
    color:rgb(50, 143, 166)  
}
```

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(50, 143, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 143, 166) }
```

Border

The CSS property to change the border of an element to Yxy 23.0762, 0.2234, 0.2860 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(50, 143, 166) }
```

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

```
.border{ border-color:rgb(50, 143, 166) }
```

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

Here you see how a box with a 4 pixel rgb(50, 143, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 143, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 143, 166);  
box-shadow:4px 4px 4px 4px rgb(50, 143,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0762, 0.2234, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 143, 166) }
```

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

```
.background{ background-color: rgb(50, 143,  
166) }
```

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