

Converting Colors

$Y_{xy}(23.9312, 0.2334, 0.2417)$

Have a look what the booklet for
Yxy(23.9312, 0.2334, 0.2417)
contains.

Yxy(23.9227, 0.2333, 0.2412)	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(23.9227, 0.2333, 0.2412)

Conversions

Conversions Part 1

Format	Color
Hex	6288BE
RGB	98, 136, 190
RGB Percent	38%, 53%, 75%
CMY	0.6155, 0.4667, 0.2549
CMYK	0.48, 0.28, 0.00, 0.25
HSL	215°, 41%, 56%
HSV	215°, 48%, 75%
XYZ	23.1392, 23.9227, 52.1201
YIQ	130.7940, -39.9820, 8.7380

Conversions

Conversions Part 2

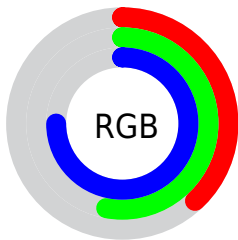
Format	Color
R _{YB}	98, 125, 190
Decimal	6457534
CIE Lab	56.01, 1.82, -32.30
CIE LCh	56, 32.346, 273.218
Yxy	23.9227, 0.2333, 0.2412
Android (android.graphics.Color)	4284647614 (0xFF6288BE)
YUV	130.7940, 29.1886, -28.7603
Hunter-Lab	48.9108, -1.1476, -28.9428

Details

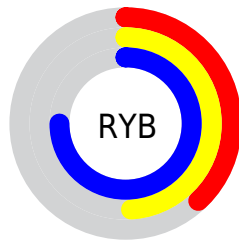
The Yxy color $23.9227, 0.2333, 0.2412$ is a dark color, and the websafe version is hex $6699CC$. A complement of this color would be $34.3063, 0.4064, 0.4020$, and the grayscale version is $22.5275, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8829, 0.2492, 0.2583$, and $9.0862, 0.2073, 0.2139$ is the 20% darker color. If you saturate the color by 10%, you get $20.0073, 0.2171, 0.2189$, and if you desaturate by 10%, it is $28.4181, 0.2502, 0.2624$.

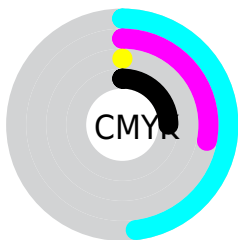
Distribution



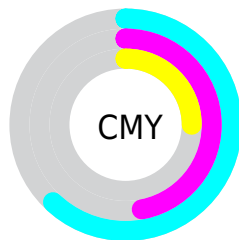
- Red (38%)
- Green (53%)
- Blue (75%)



- Red (38%)
- Yellow (49%)
- Blue (75%)



- Cyan (48%)
- Magenta (28%)
- Yellow (0%)
- Black (25%)



- Cyan (62%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9227, 0.2333, 0.2412 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 23.9227, 0.2333, 0.2412 by changing the saturation by 10% instead.

■ 23.9227, 0.2333,
0.2412

■ 23.9227, 0.2333,
0.2412

272.4294, 0.2761,
0.2882

■ 15.2763, 0.2218,
0.2286

■ 49.9040, 0.2495,
0.2589

■ 9.0135, 0.2066,
0.2122

■ 68.0077, 0.2554,
0.2654

■ 4.7500, 0.1858,
0.1897

■ 90.0327, 0.2603,
0.2708

■ 2.1013, 0.1563,
0.1581

■ 116.3632, 0.2644,
0.2754

■ 0.6654, 0.1117,
0.1098

147.3838, 0.2680,
0.2793

■ 0.0000, 0.0000,
0.0000

183.4787, 0.2710,

0.2826

225.0325, 0.2737,
0.2856

■ 23.9227, 0.2333,
0.2412

■ 23.9227, 0.2333,
0.2412

■ 20.0073, 0.2171,
0.2189

■ 28.4181, 0.2502,
0.2624

■ 16.6412, 0.2021,
0.1962

■ 33.5167, 0.2672,
0.2822

■ 13.7945, 0.1891,
0.1737

■ 39.2433, 0.2839,
0.3003

■ 11.4321, 0.1785,
0.1523

■ 45.6206, 0.2999,
0.3166

■ 9.5036, 0.1705,
0.1327

■ 52.6700, 0.3151,
0.3312

■ 9.2261, 0.1694,
0.1297

■ 60.4117, 0.3293,
0.3441

■ 68.8653, 0.3424,
0.3555

■ 78.0492, 0.3546,
0.3654

■ 85.2186, 0.3556,
0.3758

Harmonies

Analogous

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



23.9227, 0.2131, 0.2590



23.9227, 0.2333, 0.2412



23.9227, 0.2745, 0.2445

Triad

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



23.9227, 0.2333, 0.2412



23.9227, 0.4201, 0.3440



23.9227, 0.2885, 0.4069

Complementary

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



23.9227, 0.2333, 0.2412



34.3063, 0.4064, 0.4020

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.



23.9227, 0.3438, 0.4315



23.9227, 0.2333, 0.2412



23.9227, 0.4223, 0.3872

Square

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



23.9227, 0.2333, 0.2412



23.9227, 0.3852, 0.3011



23.9227, 0.3932, 0.4211



23.9227, 0.2423, 0.3545

Rectangle

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



23.9227, 0.2333, 0.2412



23.9227, 0.3107, 0.2570



23.9227, 0.3932, 0.4211



23.9227, 0.3066, 0.4190

Sweetspot

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



23.9236, 0.2333, 0.2412



74.6281, 0.2890, 0.3057



41.6881, 0.2723, 0.3901



15.8622, 0.2856, 0.3021



97.7402, 0.3127, 0.3290



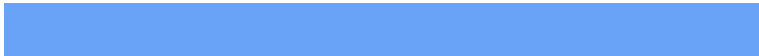
20.4902, 0.3127, 0.3290

Same Dimension

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



23.9236, 0.2333, 0.2412



35.9000, 0.2162, 0.2177



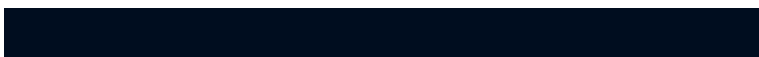
15.5066, 0.2282, 0.1808



9.8547, 0.2984, 0.3152



6.2808, 0.1700, 0.1321



0.3753, 0.1835, 0.1806

Inverse Universe

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



21.4686, 0.3884, 0.2775



32.3634, 0.4146, 0.2681



47.7026, 0.3760, 0.4485



9.5999, 0.3225, 0.3196



7.6637, 0.5298, 0.2692



0.3132, 0.4678, 0.2351

Previews

White Background



This preview shows how the Yxy color 23.9227, 0.2333, 0.2412 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 23.9227, 0.2333, 0.2412 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

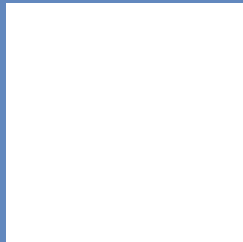
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.9227, 0.2333, 0.2412

Background



This preview shows how black text looks on a background with the Yxy color 23.9227, 0.2333, 0.2412.

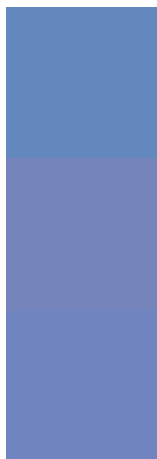


This preview shows how white text looks on a background with the Yxy color 23.9227, 0.2333, 0.2412.

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

23.9227, 0.2333, 0.2412

Protanopia

23.8723, 0.2487, 0.2417

Deuteranopia

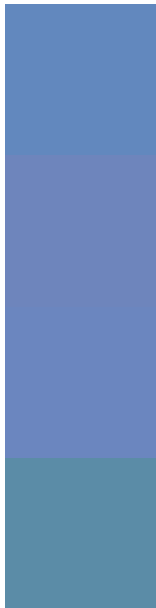
23.9814, 0.2421, 0.2372



Tritanopia

24.0043, 0.2519, 0.3087

Trichromacy



Original Color

23.9227, 0.2333, 0.2412

Protanomaly

23.7209, 0.2426, 0.2408

Deuteranomaly

23.9376, 0.2386, 0.2380

Tritanomaly

23.7703, 0.2446, 0.2813

Monochromacy



Original Color

23.9227, 0.2333, 0.2412

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.9640, 0.2791, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9227, 0.2333, 0.2412 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(98, 136, 190)` looks like.

```
.text, #text, p{  
    color:rgb(98, 136, 190)  
}
```

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(98, 136, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 136, 190) }
```

Border

The CSS property to change the border of an element to Yxy 23.9227, 0.2333, 0.2412 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(98, 136, 190) }
```

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

```
.border{ border-color:rgb(98, 136, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 136, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 136, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 136, 190);  
box-shadow:4px 4px 4px 4px rgb(98, 136,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9227, 0.2333, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 136, 190) }
```

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

```
.background{ background-color: rgb(98, 136,  
190) }
```

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