

Converting Colors

$Y_{xy}(25.9239, 0.2313, 0.2732)$

Have a look what the booklet for
Yxy(25.9239, 0.2313, 0.2732)
contains.

Yxy(25.8250, 0.2311, 0.2726) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 27**

***CSS Examples* 30**

Color

$Y_{xy}(25.8250, 0.2311, 0.2726)$

Conversions

Conversions Part 1	
Format	Color
Hex	4F93B4
RGB	79, 147, 180
RGB Percent	31%, 58%, 71%
CMY	0.6904, 0.4235, 0.2941
CMYK	0.56, 0.18, 0.00, 0.29
HSL	200°, 40%, 51%
HSV	200°, 56%, 71%
XYZ	21.8935, 25.8250, 47.0174
YIQ	130.4300, -51.1210, -4.1530

Conversions

Conversions Part 2

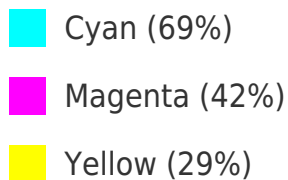
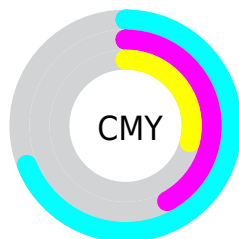
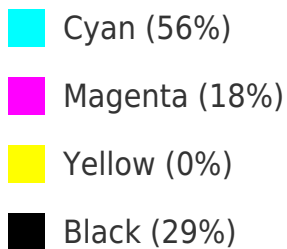
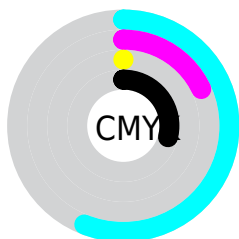
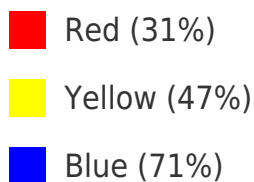
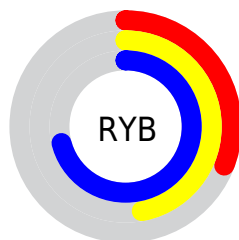
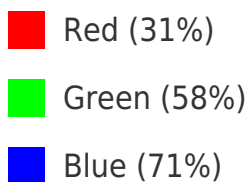
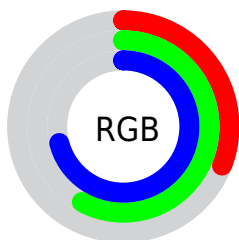
Format	Color
RYB	79, 120, 180
Decimal	5215156
CIELab	57.87, -11.91, -23.81
CIELCh	58, 26.619, 243.424
Yxy	25.8250, 0.2311, 0.2726
Android (android.graphics.Color)	4283405236 (0xFF4F93B4)
YUV	130.4300, 24.4380, -45.1041
Hunter-Lab	50.8183, -12.0309, -19.2827

Details

The Yxy color `25.8250, 0.2311, 0.2726` is a dark color, and the websafe version is hex `3399CC`. A complement of this color would be `21.8447, 0.4479, 0.3760`, and the grayscale version is `22.4045, 0.3127, 0.3290`.

A 20% lighter version of the original color is `52.9803, 0.2472, 0.2846`, and `9.9368, 0.2043, 0.2510` is the 20% darker color. If you saturate the color by 10%, you get `23.3745, 0.2196, 0.2605`, and if you desaturate by 10%, it is `28.5797, 0.2441, 0.2843`.


Distribution



Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8250, 0.2311, 0.2726 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 25.8250, 0.2311, 0.2726 by changing the saturation by 10% instead.


 25.8250, 0.2311,
0.2726


 25.8250, 0.2311,
0.2726


281.9220, 0.2744,
0.3038


 16.6928, 0.2196,
0.2638


 52.9925, 0.2474,
0.2847

 10.0157, 0.2044,
0.2519


 71.7965, 0.2534,
0.2890


 5.4094, 0.1837,
0.2349


 94.5933, 0.2583,
0.2926

 2.4894, 0.1543,
0.2095

 121.7672, 0.2625,
0.2956

 0.8713, 0.1046,
0.1695

 153.7026, 0.2662,
0.2981

 0.0000, 0.0000,
0.0000

190.7840, 0.2693,

0.3003

233.3956, 0.2720,
0.3022

■ 25.8250, 0.2311,
0.2726

■ 25.8250, 0.2311,
0.2726

■ 23.3745, 0.2196,
0.2605

■ 28.5797, 0.2441,
0.2843

■ 21.2068, 0.2098,
0.2481

■ 31.6526, 0.2581,
0.2954

■ 19.3012, 0.2020,
0.2357

■ 35.0598, 0.2729,
0.3058


■ 17.6302, 0.1961,
0.2235


■ 38.8155, 0.2881,
0.3153


■ 17.0271, 0.1941,
0.2188

■ 42.9328, 0.3034,
0.3241

 47.4241, 0.3185,
0.3319

 52.3011, 0.3333,
0.3390

 57.5750, 0.3475,
0.3452

 63.2563, 0.3611,
0.3507

Harmonies

Analogous

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



25.8250, 0.2336, 0.3054



25.8250, 0.2311, 0.2726



25.8250, 0.2482, 0.2573

Triad

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



25.8250, 0.2311, 0.2726



25.8250, 0.3711, 0.3070



25.8250, 0.3385, 0.4102

Complementary

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



25.8250, 0.2311, 0.2726



21.8447, 0.4479, 0.3760

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.



25.8250, 0.3782, 0.4039



25.8250, 0.2311, 0.2726



25.8250, 0.3988, 0.3427

Square

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



25.8250, 0.2311, 0.2726



25.8250, 0.3274, 0.2775



25.8250, 0.4010, 0.3779



25.8250, 0.2936, 0.3900

Rectangle

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



25.8250, 0.2311, 0.2726



25.8250, 0.2694, 0.2570



25.8250, 0.4010, 0.3779



25.8250, 0.3529, 0.4109

Sweetspot

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



25.8260, 0.2311, 0.2726



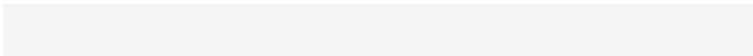
69.5578, 0.2864, 0.3143



35.4541, 0.2853, 0.4514



14.7369, 0.2834, 0.3125



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



25.8260, 0.2311, 0.2726



41.5505, 0.2175, 0.2580



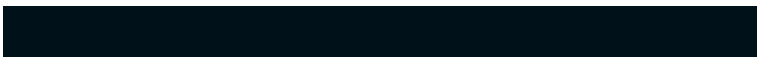
13.5923, 0.2122, 0.1828



9.1544, 0.2986, 0.3214



12.0083, 0.1945, 0.2203



0.4787, 0.2040, 0.2542

Inverse Universe

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



17.3952, 0.3641, 0.2356



26.3909, 0.3800, 0.2210



35.9276, 0.4053, 0.4405



8.5986, 0.3186, 0.3138



7.7524, 0.4229, 0.2103



0.2541, 0.3881, 0.1912

Previews

White Background



This preview shows how the Yxy color 25.8250, 0.2311, 0.2726 looks on a white background.

Color Contrast Check

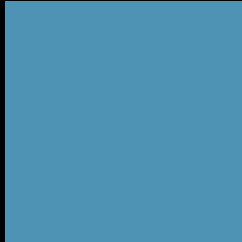
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8250, 0.2311, 0.2726 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 25.8250, 0.2311, 0.2726

Background



This preview shows how black text looks on a background with the Yxy color 25.8250, 0.2311, 0.2726.



This preview shows how white text looks on a background with the Yxy color 25.8250, 0.2311, 0.2726.

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

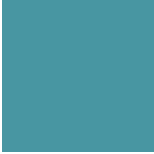
25.8250, 0.2311, 0.2726

Protanopia

25.6543, 0.2720, 0.2715

Deuteranopia

25.5749, 0.2627, 0.2569



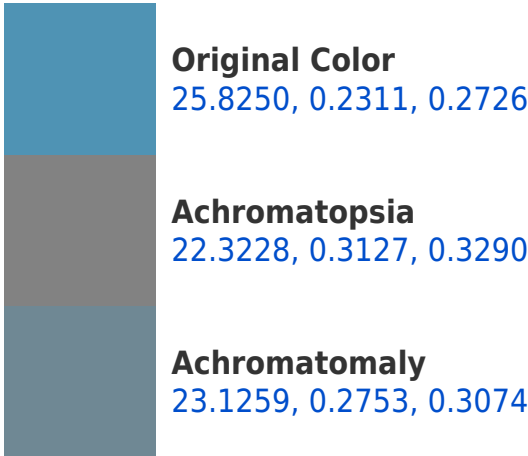
Tritanopia

25.7990, 0.2393, 0.3071

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8250, 0.2311, 0.2726 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(79, 147, 180)` looks like.

```
.text, #text, p{  
    color:rgb(79, 147, 180)  
}
```

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(79, 147, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 147, 180) }
```

Border

The CSS property to change the border of an element to Yxy 25.8250, 0.2311, 0.2726 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(79, 147, 180) }
```

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

```
.border{ border-color:rgb(79, 147, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 147, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 147, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 147, 180);  
box-shadow:4px 4px 4px 4px rgb(79, 147,  
180) }
```

Background

The CSS property to change the background color of an element to Yxy 25.8250, 0.2311, 0.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 147, 180) }
```

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

```
.background{ background-color: rgb(79, 147,  
180) }
```

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