

Converting Colors

$Y_{xy}(25.3530, 0.2250, 0.3119)$

Have a look what the booklet for
Yxy(25.3530, 0.2250, 0.3119)
contains.

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Color

$\text{Yxy}(25.3530, 0.2250, 0.3119)$

Conversions

Conversions Part 1

Format	Color
Hex	2198A1
RGB	33, 152, 161
RGB Percent	13%, 60%, 63%
CMY	0.8703, 0.4039, 0.3687
CMYK	0.79, 0.06, 0.00, 0.37
HSL	184°, 66%, 38%
HSV	184°, 79%, 63%
XYZ	18.2893, 25.3530, 37.6434
YIQ	117.4450, -73.8130, -22.4290

Conversions

Conversions Part 2

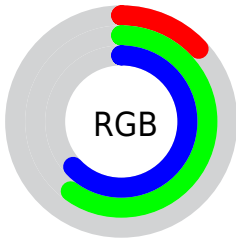
Format	Color
R_{YB}	33, 95, 161
Decimal	2201761
CIE _{Lab}	57.42, -27.79, -13.79
CIE _{LCh}	57, 31.026, 206.384
Yxy	25.3530, 0.2250, 0.3119
Android (android.graphics.Color)	4280391841 (0xFF2198A1)
YUV	117.4450, 21.4726, -74.0583
Hunter-Lab	50.3518, -23.2790, -9.0795

Details

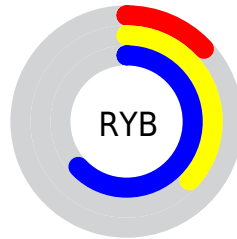
The Yxy color **25.3530, 0.2250, 0.3119** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.3469, 0.5733, 0.3391**, and the grayscale version is **17.8904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4083, 0.2427, 0.3166**, and **10.2185, 0.2178, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **24.7827, 0.2212, 0.3096**, and if you desaturate by 10%, it is **26.0558, 0.2306, 0.3143**.

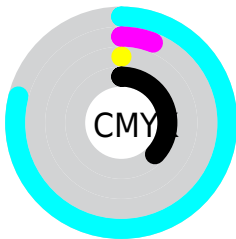
Distribution



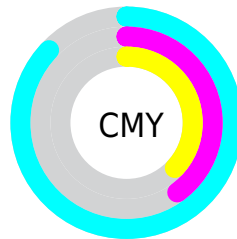
- Red (13%)
- Green (60%)
- Blue (63%)



- Red (13%)
- Yellow (37%)
- Blue (63%)



- Cyan (79%)
- Magenta (6%)
- Yellow (0%)
- Black (37%)





- Cyan (87%)
- Magenta (40%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3530, 0.2250, 0.3119 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 25.3530, 0.2250, 0.3119 by changing the saturation by 10% instead.


 25.3530, 0.2250,
0.3119


 25.3530, 0.2250,
0.3119


 279.5914, 0.2718,
0.3227


 16.3402, 0.2124,
0.3083


 52.2293, 0.2427,
0.3165

 9.7652, 0.1958,
0.3030


 70.8617, 0.2491,
0.3180

 5.2436, 0.1728,
0.2946

 93.4693, 0.2545,
0.3192

 2.3909, 0.1399,
0.2800

 120.4367, 0.2590,
0.3201

 0.8212, 0.0331,
0.2661

 152.1482, 0.2629,
0.3209

 0.0000, 0.0000,
0.0000

 188.9883, 0.2663,

0.3216

231.3412, 0.2692,
0.3222

■ 25.3530, 0.2250,
0.3119

■ 25.3530, 0.2250,
0.3119

■ 24.7827, 0.2212,
0.3096

■ 26.0558, 0.2306,
0.3143

■ 24.3073, 0.2188,
0.3073

■ 26.9042, 0.2381,
0.3166

■ 24.2821, 0.2187,
0.3071

■ 27.9130, 0.2473,
0.3189

■ 29.0942, 0.2582,
0.3212

■ 30.4587, 0.2706,
0.3234

■ 32.0166, 0.2841,
0.3254

■ 33.7770, 0.2985,
0.3273

■ 35.7486, 0.3135,
0.3291

■ 37.9396, 0.3289,
0.3307

Harmonies

Analogous

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



25.3530, 0.2550, 0.3654



25.3530, 0.2250, 0.3119



25.3530, 0.2170, 0.2699

Triad

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



25.3530, 0.2250, 0.3119



25.3530, 0.3167, 0.2633



25.3530, 0.3972, 0.4103

Complementary

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



25.3530, 0.2250, 0.3119



9.3469, 0.5733, 0.3391

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.



25.3530, 0.4183, 0.3756



25.3530, 0.2250, 0.3119



25.3530, 0.3701, 0.2943

Square

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



25.3530, 0.2250, 0.3119



25.3530, 0.2664, 0.2466



25.3530, 0.4087, 0.3340



25.3530, 0.3540, 0.4257

Rectangle

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



25.3530, 0.2250, 0.3119



25.3530, 0.2242, 0.2530



25.3530, 0.4087, 0.3340



25.3530, 0.4073, 0.4001

Sweetspot

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



25.3539, 0.2250, 0.3119



55.9078, 0.2772, 0.3244



25.9756, 0.2983, 0.5622



12.0610, 0.2727, 0.3237



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.



25.3539, 0.2250, 0.3119



43.7676, 0.2195, 0.3079



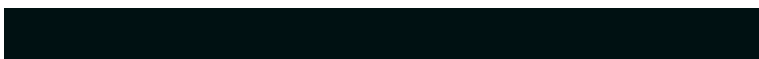
9.9601, 0.1904, 0.1790



7.9256, 0.2988, 0.3274



19.4203, 0.2187, 0.3073



0.4316, 0.2210, 0.3157

Inverse Universe

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



10.9350, 0.3342, 0.1748



17.7433, 0.3384, 0.1654



17.9041, 0.4801, 0.4281



7.1935, 0.3148, 0.3084



7.8046, 0.3390, 0.1641



0.1664, 0.3318, 0.1601

Previews

White Background



This preview shows how the Yxy color 25.3530, 0.2250, 0.3119 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 25.3530, 0.2250, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

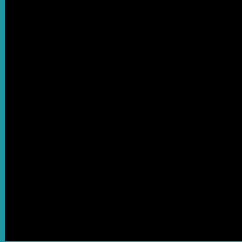
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3530, 0.2250, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 25.3530, 0.2250, 0.3119.

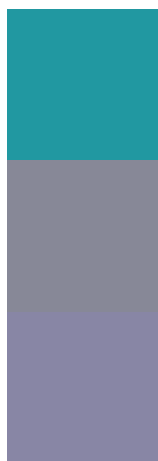


This preview shows how white text looks on a background with the Yxy color 25.3530, 0.2250, 0.3119.

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

25.3530, 0.2250, 0.3119

Protanopia

24.9936, 0.2966, 0.3041

Deuteranopia

25.0010, 0.2844, 0.2792



Tritanopia

25.5119, 0.2242, 0.3065

Trichromacy



Original Color

25.3530, 0.2250, 0.3119



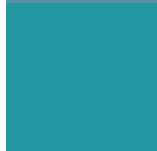
Protanomaly

24.3092, 0.2593, 0.3056



Deuteranomaly

24.3827, 0.2530, 0.2887



Tritanomaly

25.4581, 0.2244, 0.3083

Monochromacy



Original Color

25.3530, 0.2250, 0.3119



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

19.6372, 0.2639, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3530, 0.2250, 0.3119 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(33, 152, 161)` looks like.

```
.text, #text, p{  
    color:rgb(33, 152, 161)  
}
```

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(33, 152, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 152, 161) }
```

Border

The CSS property to change the border of an element to Yxy 25.3530, 0.2250, 0.3119 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(33, 152, 161) }
```

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

```
.border{ border-color:rgb(33, 152, 161) }
```

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

Here you see how a box with a 4 pixel rgb(33, 152, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 152, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 152, 161);  
box-shadow:4px 4px 4px 4px rgb(33, 152,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3530, 0.2250, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 152, 161) }
```

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

```
.background{ background-color: rgb(33, 152,  
161) }
```

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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