

Converting Colors

$Y_{xy}(25.1231, 0.2225, 0.3136)$

Have a look what the booklet for
Yxy(25.1231, 0.2225, 0.3136)
contains.

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Color

$\text{Yxy}(25.1231, 0.2225, 0.3136)$

Conversions

Conversions Part 1

Format	Color
Hex	1298A0
RGB	18, 152, 160
RGB Percent	7%, 60%, 63%
CMY	0.9286, 0.4039, 0.3726
CMYK	0.89, 0.05, 0.00, 0.37
HSL	183°, 80%, 35%
HSV	183°, 89%, 63%
XYZ	17.8249, 25.1231, 37.1639
YIQ	112.8460, -82.4320, -25.9200

Conversions

Conversions Part 2

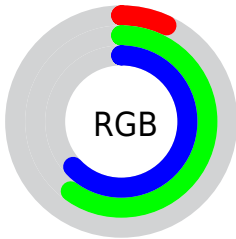
Format	Color
R_{YB}	18, 87, 160
Decimal	1218720
CIE _{Lab}	57.20, -29.30, -13.57
CIE _{LCh}	57, 32.290, 204.856
Yxy	25.1231, 0.2225, 0.3136
Android (android.graphics.Color)	4279408800 (0xFF1298A0)
YUV	112.8460, 23.2469, -83.1799
Hunter-Lab	50.1229, -24.2363, -8.8748

Details

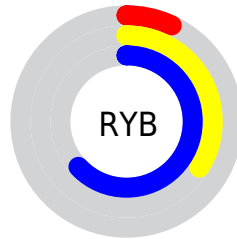
The Yxy color **25.1231, 0.2225, 0.3136** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.2650, 0.6082, 0.3355**, and the grayscale version is **16.4320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0187, 0.2407, 0.3178**, and **10.2185, 0.2178, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **24.7159, 0.2202, 0.3118**, and if you desaturate by 10%, it is **25.6310, 0.2263, 0.3155**.

Distribution



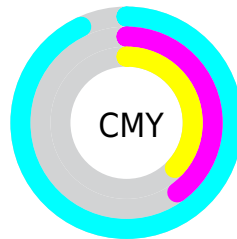
- Red (7%)
- Green (60%)
- Blue (63%)



- Red (7%)
- Yellow (34%)
- Blue (63%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (37%)





- Cyan (93%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1231, 0.2225, 0.3136 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 25.1231, 0.2225, 0.3136 by changing the saturation by 10% instead.


 25.1231, 0.2225,
0.3136

 25.1231, 0.2225,
0.3136


 278.4504, 0.2707,
0.3236


 16.1688, 0.2095,
0.3102


 51.8569, 0.2407,
0.3179


 9.6437, 0.1924,
0.3051


 70.4051, 0.2473,
0.3193

 5.1633, 0.1689,
0.2969

 92.9201, 0.2529,
0.3204

 2.3434, 0.1350,
0.2825

 119.7863, 0.2575,
0.3212

 0.7965, 0.0143,
0.2719

 151.3880, 0.2615,
0.3220

 0.0000, 0.0000,
0.0000

 188.1097, 0.2650,

0.3226

230.3357, 0.2680,
0.3231

■ 25.1231, 0.2225,
0.3136

■ 25.1231, 0.2225,
0.3136

■ 24.7159, 0.2202,
0.3118

■ 25.6310, 0.2263,
0.3155

■ 24.6616, 0.2199,
0.3115

■ 26.2670, 0.2319,
0.3173

■ 27.0475, 0.2393,
0.3192

■ 27.9858, 0.2485,
0.3211

■ 29.0937, 0.2594,
0.3229

■ 30.3820, 0.2718,
0.3246

■ 31.8602, 0.2853,
0.3262

■ 33.5376, 0.2997,
0.3278

■ 35.4225, 0.3148,
0.3292

Harmonies

Analogous

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



25.1231, 0.2546, 0.3698



25.1231, 0.2225, 0.3136



25.1231, 0.2131, 0.2690

Triad

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



25.1231, 0.2225, 0.3136



25.1231, 0.3139, 0.2595



25.1231, 0.4024, 0.4120

Complementary

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



25.1231, 0.2225, 0.3136



8.2650, 0.6082, 0.3355

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.



25.1231, 0.4232, 0.3750



25.1231, 0.2225, 0.3136



25.1231, 0.3700, 0.2909

Square

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



25.1231, 0.2225, 0.3136



25.1231, 0.2621, 0.2430



25.1231, 0.4115, 0.3317



25.1231, 0.3581, 0.4299

Rectangle

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



25.1231, 0.2225, 0.3136



25.1231, 0.2198, 0.2508



25.1231, 0.4115, 0.3317



25.1231, 0.4125, 0.4010

Sweetspot

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



25.1240, 0.2225, 0.3136



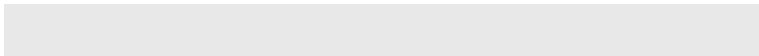
55.4483, 0.2732, 0.3248



25.3413, 0.2990, 0.5828



11.9875, 0.2691, 0.3243



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.



25.1240, 0.2225, 0.3136



44.6810, 0.2198, 0.3112



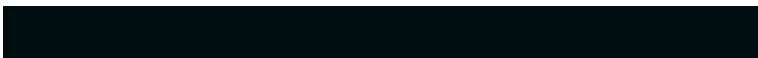
8.7045, 0.1823, 0.1650



7.4454, 0.2988, 0.3277



19.2345, 0.2199, 0.3117



0.3613, 0.2220, 0.3191

Inverse Universe

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



10.1791, 0.3333, 0.1664



17.6153, 0.3357, 0.1623



15.9174, 0.5030, 0.4258



6.7481, 0.3146, 0.3082



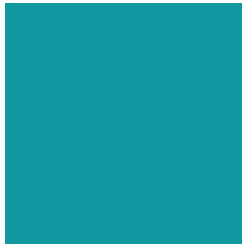
7.5640, 0.3353, 0.1621



0.1370, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 25.1231, 0.2225, 0.3136 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 25.1231, 0.2225, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

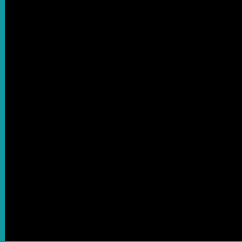
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1231, 0.2225, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 25.1231, 0.2225, 0.3136.

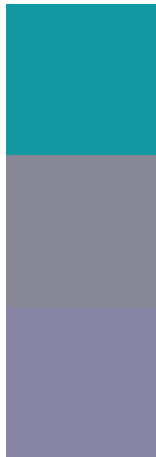


This preview shows how white text looks on a background with the Yxy color 25.1231, 0.2225, 0.3136.

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

25.1231, 0.2225, 0.3136

Protanopia

24.6488, 0.2986, 0.3056

Deuteranopia

24.6896, 0.2853, 0.2790



Tritanopia

25.0077, 0.2209, 0.3044

Trichromacy



Original Color

25.1231, 0.2225, 0.3136



Protanomaly

23.6768, 0.2566, 0.3070



Deuteranomaly

23.7277, 0.2489, 0.2880



Tritanomaly

24.9481, 0.2210, 0.3062

Monochromacy



Original Color

25.1231, 0.2225, 0.3136



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.4527, 0.2595, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1231, 0.2225, 0.3136 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(18, 152, 160)` looks like.

```
.text, #text, p{  
    color:rgb(18, 152, 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(18, 152, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 152, 160) }
```

Border

The CSS property to change the border of an element to Yxy 25.1231, 0.2225, 0.3136 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(18, 152, 160) }
```

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

```
.border{ border-color:rgb(18, 152, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 152, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 152, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 152, 160);  
box-shadow:4px 4px 4px 4px rgb(18, 152,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1231, 0.2225, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 152, 160) }
```

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

```
.background{ background-color: rgb(18, 152,  
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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