

Converting Colors

$Yxy(25.7154, 0.2253, 0.3036)$

Have a look what the booklet for
Yxy(25.7154, 0.2253, 0.3036)
contains.

Yxy(25.7232, 0.2252, 0.3031)	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

$Y_{xy}(25.7232, 0.2252, 0.3031)$

Conversions

Conversions Part 1

Format	Color
Hex	2B98A6
RGB	43, 152, 166
RGB Percent	17%, 60%, 65%
CMY	0.8307, 0.4040, 0.3490
CMYK	0.74, 0.08, 0.00, 0.35
HSL	187°, 59%, 41%
HSV	187°, 74%, 65%
XYZ	19.1121, 25.7232, 40.0318
YIQ	121.0050, -69.4580, -18.7540

Conversions

Conversions Part 2

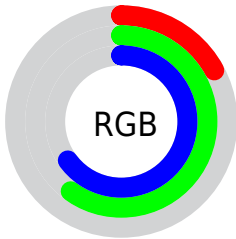
Format	Color
R_{YB}	43, 101, 166
Decimal	2857126
CIE _{Lab}	57.77, -25.06, -16.08
CIE _{LCh}	58, 29.778, 212.689
Yxy	25.7232, 0.2252, 0.3031
Android (android.graphics.Color)	4281047206 (0xFF2B98A6)
YUV	121.0050, 22.1825, -68.4104
Hunter-Lab	50.7180, -21.4925, -11.2950

Details

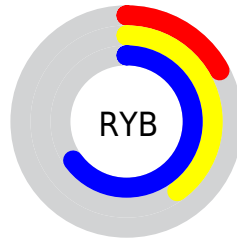
The Yxy color **25.7232, 0.2252, 0.3031** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.2256, 0.5443, 0.3465**, and the grayscale version is **19.0813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0343, 0.2429, 0.3101**, and **10.5223, 0.2151, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **24.8246, 0.2199, 0.2992**, and if you desaturate by 10%, it is **26.7796, 0.2324, 0.3070**.

Distribution



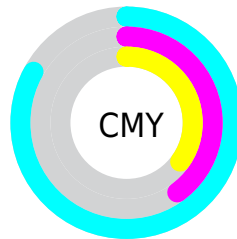
- Red (17%)
- Green (60%)
- Blue (65%)



- Red (17%)
- Yellow (40%)
- Blue (65%)



- Cyan (74%)
- Magenta (8%)
- Yellow (0%)
- Black (35%)




- Cyan (83%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7232, 0.2252, 0.3031 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 25.7232, 0.2252, 0.3031 by changing the saturation by 10% instead.


 25.7232, 0.2252,
0.3031


 25.7232, 0.2252,
0.3031


281.4206, 0.2717,
0.3186


 16.6167, 0.2128,
0.2982


 52.8281, 0.2427,
0.3094


 9.9616, 0.1964,
0.2912


 71.5952, 0.2491,
0.3116


 5.3735, 0.1739,
0.2806

 94.3513, 0.2545,
0.3134

 2.4680, 0.1418,
0.2630

 121.4808, 0.2590,
0.3148

 0.8606, 0.0573,
0.2393

 153.3681, 0.2629,
0.3160

 0.0000, 0.0000,
0.0000

190.3976, 0.2662,

0.3170

232.9536, 0.2691,
0.3179

■ 25.7232, 0.2252,
0.3031

■ 25.7232, 0.2252,
0.3031

■ 24.8246, 0.2199,
0.2992

■ 26.7796, 0.2324,
0.3070

■ 24.0621, 0.2164,
0.2953

■ 28.0069, 0.2414,
0.3109

■ 23.6423, 0.2147,
0.2930

■ 29.4197, 0.2520,
0.3147

■ 31.0305, 0.2642,
0.3183

■ 32.8504, 0.2775,
0.3217

■ 34.8899, 0.2918,
0.3249

■ 37.1585, 0.3067,
0.3279

■ 39.6653, 0.3219,
0.3306

■ 42.4188, 0.3373,
0.3330

Harmonies

Analogous

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



25.7232, 0.2499, 0.3530



25.7232, 0.2252, 0.3031



25.7232, 0.2220, 0.2665

Triad

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



25.7232, 0.2252, 0.3031



25.7232, 0.3277, 0.2712



25.7232, 0.3864, 0.4119

Complementary

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



25.7232, 0.2252, 0.3031



11.2256, 0.5443, 0.3465

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.



25.7232, 0.4117, 0.3818



25.7232, 0.2252, 0.3031



25.7232, 0.3771, 0.3034

Square

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



25.7232, 0.2252, 0.3031



25.7232, 0.2776, 0.2519



25.7232, 0.4088, 0.3426



25.7232, 0.3422, 0.4207

Rectangle

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



25.7232, 0.2252, 0.3031



25.7232, 0.2319, 0.2529



25.7232, 0.4088, 0.3426



25.7232, 0.3975, 0.4036

Sweetspot

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



25.7241, 0.2252, 0.3031



60.1833, 0.2797, 0.3222



28.0684, 0.2968, 0.5430



13.2644, 0.2761, 0.3214



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.



25.7241, 0.2252, 0.3031



44.1098, 0.2174, 0.2966



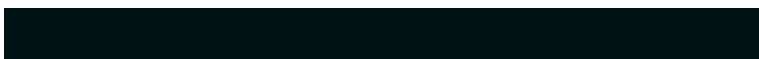
10.9766, 0.1947, 0.1821



8.3838, 0.2987, 0.3264



18.3775, 0.2148, 0.2933



0.4870, 0.2184, 0.3061

Inverse Universe

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



12.1134, 0.3412, 0.1857



19.2893, 0.3481, 0.1735



20.9734, 0.4627, 0.4311



7.6517, 0.3154, 0.3092



7.9263, 0.3513, 0.1709



0.1969, 0.3400, 0.1647

Previews

White Background



This preview shows how the Yxy color 25.7232, 0.2252, 0.3031 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 25.7232, 0.2252, 0.3031 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

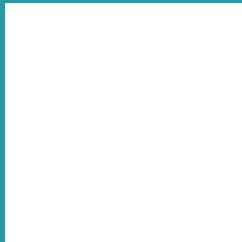
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.7232, 0.2252, 0.3031

Background



This preview shows how black text looks on a background with the Yxy color 25.7232, 0.2252, 0.3031.

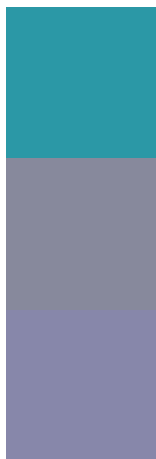


This preview shows how white text looks on a background with the Yxy color 25.7232, 0.2252, 0.3031.

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

25.7232, 0.2252, 0.3031

Protanopia

25.4425, 0.2919, 0.2978

Deuteranopia

25.3811, 0.2790, 0.2733



Tritanopia

25.6653, 0.2254, 0.3048

Trichromacy



Original Color

25.7232, 0.2252, 0.3031



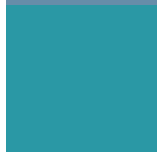
Protanomaly

24.7088, 0.2587, 0.2973



Deuteranomaly

24.7391, 0.2517, 0.2810



Tritanomaly

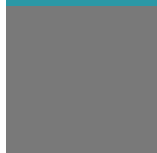
25.6653, 0.2254, 0.3048

Monochromacy



Original Color

25.7232, 0.2252, 0.3031



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

20.6358, 0.2673, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7232, 0.2252, 0.3031 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(43, 152, 166)` looks like.

```
.text, #text, p{  
    color:rgb(43, 152, 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(43, 152, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 152, 166) }
```

Border

The CSS property to change the border of an element to Yxy 25.7232, 0.2252, 0.3031 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(43, 152, 166) }
```

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

```
.border{ border-color:rgb(43, 152, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 152, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 152, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 152, 166);  
box-shadow:4px 4px 4px 4px rgb(43, 152,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7232, 0.2252, 0.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 152, 166) }
```

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

```
.background{ background-color: rgb(43, 152,  
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