

Converting Colors

$Y_{xy}(25.0819, 0.2528, 0.3108)$

Have a look what the booklet for
Yxy(25.0819, 0.2528, 0.3108)
contains.

Yxy(25.0819, 0.2528, 0.3108)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(25.0819, 0.2528, 0.3108)$

Conversions

Conversions Part 1

Format	Color
Hex	59929C
RGB	89, 146, 156
RGB Percent	35%, 57%, 61%
CMY	0.6509, 0.4275, 0.3882
CMYK	0.43, 0.06, 0.00, 0.39
HSL	189°, 27%, 48%
HSV	189°, 43%, 61%
XYZ	20.4012, 25.0819, 35.2180
YIQ	130.0970, -37.1820, -8.9740

Conversions

Conversions Part 2

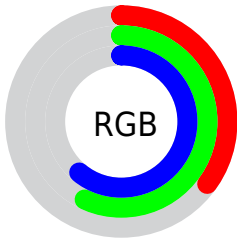
Format	Color
R_{YB}	89, 120, 156
Decimal	5870236
CIE _{Lab}	57.16, -15.95, -11.16
CIE _{LCh}	57, 19.468, 214.970
Yxy	25.0819, 0.2528, 0.3108
Android (android.graphics.Color)	4284060316 (0xFF59929C)
YUV	130.0970, 12.7702, -36.0421
Hunter-Lab	50.0818, -14.9298, -6.6359

Details

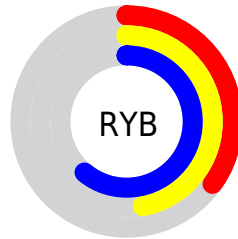
The Yxy color **25.0819, 0.2528, 0.3108** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.7191, 0.4134, 0.3459**, and the grayscale version is **22.3257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7125, 0.2652, 0.3157**, and **9.5617, 0.2312, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **23.6799, 0.2416, 0.3059**, and if you desaturate by 10%, it is **26.6640, 0.2654, 0.3155**.

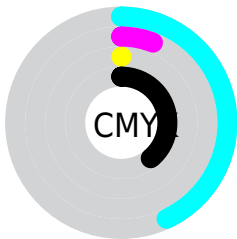
Distribution



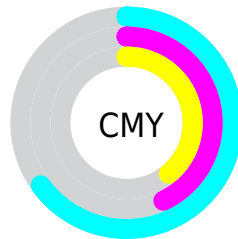
- Red (35%)
- Green (57%)
- Blue (61%)



- Red (35%)
- Yellow (47%)
- Blue (61%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (39%)





- Cyan (65%)
- Magenta (43%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0819, 0.2528, 0.3108 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 25.0819, 0.2528, 0.3108 by changing the saturation by 10% instead.


 25.0819, 0.2528,
0.3108


 25.0819, 0.2528,
0.3108


278.2456, 0.2852,
0.3215


 16.1381, 0.2438,
0.3075


 51.7901, 0.2652,
0.3151


 9.6219, 0.2318,
0.3028


 70.3232, 0.2697,
0.3166

 5.1490, 0.2147,
0.2957

 92.8215, 0.2734,
0.3178

 2.3350, 0.1890,
0.2837

 119.6695, 0.2765,
0.3188

 0.7921, 0.1224,
0.2667

151.2515, 0.2791,
0.3196

 0.0000, 0.0000,
0.0000

187.9519, 0.2814,

0.3203

230.1551, 0.2834,
0.3209

■ 25.0819, 0.2528,
0.3108

■ 25.0819, 0.2528,
0.3108

■ 23.6799, 0.2416,
0.3059

■ 26.6640, 0.2654,
0.3155

■ 22.4446, 0.2320,
0.3008

■ 28.4330, 0.2790,
0.3200

■ 21.3653, 0.2241,
0.2956

■ 30.3986, 0.2934,
0.3241

■ 20.4287, 0.2181,
0.2904

■ 32.5691, 0.3083,
0.3279

■ 19.6188, 0.2139,
0.2852

■ 34.9524, 0.3234,
0.3314

■ 19.0941, 0.2115,
0.2815

■ 37.5556, 0.3386,
0.3345

■ 40.3859, 0.3535,
0.3373

■ 43.4498, 0.3681,
0.3398

■ 46.7538, 0.3822,
0.3419

Harmonies

Analogous

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



25.0819, 0.2692, 0.3426



25.0819, 0.2528, 0.3108



25.0819, 0.2515, 0.2865

Triad

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



25.0819, 0.2528, 0.3108



25.0819, 0.3257, 0.2911



25.0819, 0.3604, 0.3853

Complementary

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



25.0819, 0.2528, 0.3108



16.7191, 0.4134, 0.3459

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.



25.0819, 0.3776, 0.3677



25.0819, 0.2528, 0.3108



25.0819, 0.3572, 0.3142

Square

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



25.0819, 0.2528, 0.3108



25.0819, 0.2921, 0.2769



25.0819, 0.3766, 0.3417



25.0819, 0.3308, 0.3878

Rectangle

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



25.0819, 0.2528, 0.3108



25.0819, 0.2592, 0.2772



25.0819, 0.3766, 0.3417



25.0819, 0.3679, 0.3808

Sweetspot

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



25.0829, 0.2528, 0.3108



55.0901, 0.2929, 0.3240



26.7832, 0.2998, 0.4409



11.9533, 0.2899, 0.3232



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.0829, 0.2528, 0.3108



42.9859, 0.2415, 0.3058



16.4668, 0.2426, 0.2482



7.3406, 0.2988, 0.3256



15.7675, 0.2116, 0.2819



0.3236, 0.2174, 0.3026

Inverse Universe

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



16.2928, 0.3309, 0.2399



25.1954, 0.3363, 0.2209



24.1417, 0.3903, 0.3977



6.7375, 0.3159, 0.3102



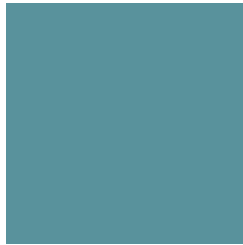
7.2140, 0.3617, 0.1766



0.1332, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 25.0819, 0.2528, 0.3108 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 25.0819, 0.2528, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

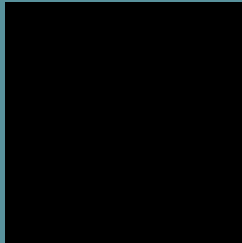
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0819, 0.2528, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 25.0819, 0.2528, 0.3108.

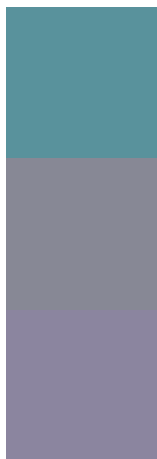


This preview shows how white text looks on a background with the Yxy color 25.0819, 0.2528, 0.3108.

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

25.0819, 0.2528, 0.3108

Protanopia

24.9291, 0.2986, 0.3073

Deuteranopia

24.7672, 0.2931, 0.2870



Tritanopia

25.1502, 0.2514, 0.3073

Trichromacy



Original Color

25.0819, 0.2528, 0.3108

Protanomaly

24.8747, 0.2790, 0.3082

Deuteranomaly

24.7105, 0.2763, 0.2950

Tritanomaly

25.1159, 0.2521, 0.3091

Monochromacy



Original Color

25.0819, 0.2528, 0.3108

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.1172, 0.2874, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0819, 0.2528, 0.3108 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(89, 146, 156)` looks like.

```
.text, #text, p{  
    color:rgb(89, 146, 156)  
}
```

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(89, 146, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 146, 156) }
```

Border

The CSS property to change the border of an element to Yxy 25.0819, 0.2528, 0.3108 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(89, 146, 156) }
```

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

```
.border{ border-color:rgb(89, 146, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 146, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 146, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 146, 156);  
box-shadow:4px 4px 4px 4px rgb(89, 146,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0819, 0.2528, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 146, 156) }
```

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

```
.background{ background-color: rgb(89, 146,  
156) }
```

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