

Converting Colors

$Yxy(25.0124, 0.2622, 0.4135)$

Have a look what the booklet for
Yxy(25.0124, 0.2622, 0.4135)
contains.

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Color

Yxy(24.9816, 0.2623, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	329A71
RGB	50, 154, 113
RGB Percent	20%, 60%, 44%
CMY	0.8036, 0.3961, 0.5569
CMYK	0.67, 0.00, 0.27, 0.40
HSL	156°, 51%, 40%
HSV	156°, 67%, 60%
XYZ	15.8545, 24.9816, 19.6081
YIQ	118.2300, -48.8230, -34.7990

Conversions

Conversions Part 2

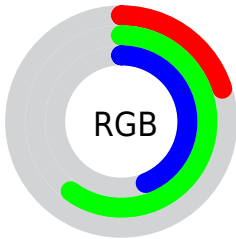
Format	Color
RYB	50, 115, 154
Decimal	3316337
CIELab	57.06, -39.67, 13.02
CIElCh	57, 41.747, 161.829
Yxy	24.9816, 0.2623, 0.4133
Android (android.graphics.Color)	4281506417 (0xFF329A71)
YUV	118.2300, -2.5784, -59.8377
Hunter-Lab	49.9816, -30.8463, 11.7273

Details

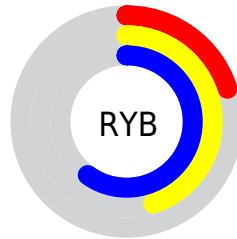
The Yxy color **24.9816, 0.2623, 0.4133** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.9150, 0.4393, 0.2662**, and the grayscale version is **18.2198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5688, 0.2738, 0.3933**, and **9.8844, 0.2570, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **24.5218, 0.2601, 0.4284**, and if you desaturate by 10%, it is **25.5842, 0.2664, 0.3985**.

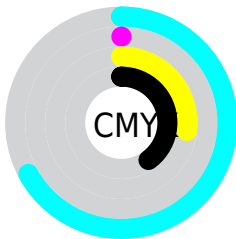
Distribution



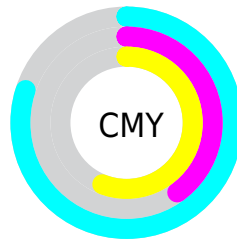
- Red (20%)
- Green (60%)
- Blue (44%)



- Red (20%)
- Yellow (45%)
- Blue (60%)



- Cyan (67%)
- Magenta (0%)
- Yellow (27%)
- Black (40%)





- Cyan (80%)
- Magenta (40%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9816, 0.2623, 0.4133 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 24.9816, 0.2623, 0.4133 by changing the saturation by 10% instead.


 24.9816, 0.2623,
0.4133


 24.9816, 0.2623,
0.4133


277.7463, 0.2911,
0.3646


 16.0633, 0.2536,
0.4283


 51.6274, 0.2738,
0.3937


 9.5690, 0.2414,
0.4497


 70.1237, 0.2778,
0.3869


 5.1141, 0.2229,
0.4825

 92.5815, 0.2810,
0.3814

 2.3144, 0.1923,
0.5384

 119.3851, 0.2837,
0.3769

 0.7813, 0.0000,
1.0000

 150.9190, 0.2860,
0.3731

 0.0000, 0.0000,
0.0000

187.5676, 0.2879,

0.3698

229.7152, 0.2896,
0.3670

■ 24.9816, 0.2623,
0.4133

■ 24.9816, 0.2623,
0.4133

■ 24.5218, 0.2601,
0.4284

■ 25.5842, 0.2664,
0.3985

■ 24.1880, 0.2598,
0.4434

■ 26.3389, 0.2721,
0.3843

■ 23.9572, 0.2612,
0.4581

■ 27.2572, 0.2792,
0.3708

■ 23.9046, 0.2616,
0.4619

■ 28.3490, 0.2873,
0.3582

■ 29.6232, 0.2962,
0.3467

■ 31.0882, 0.3055,
0.3362

■ 32.7518, 0.3152,
0.3267

■ 34.6213, 0.3249,
0.3183

■ 36.7037, 0.3345,
0.3108

Harmonies

Analogous

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



24.9816, 0.3295, 0.4577



24.9816, 0.2623, 0.4133



24.9816, 0.2122, 0.3387

Triad

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



24.9816, 0.2623, 0.4133



24.9816, 0.2259, 0.2193



24.9816, 0.4543, 0.3603

Complementary

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



24.9816, 0.2623, 0.4133



9.9150, 0.4393, 0.2662

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.



24.9816, 0.4214, 0.3075



24.9816, 0.2623, 0.4133



24.9816, 0.2826, 0.2306

Square

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



24.9816, 0.2623, 0.4133



24.9816, 0.1942, 0.2319



24.9816, 0.3552, 0.2618



24.9816, 0.4429, 0.4126

Rectangle

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



24.9816, 0.2623, 0.4133



24.9816, 0.1936, 0.2916



24.9816, 0.3552, 0.2618



24.9816, 0.4482, 0.3423

Sweetspot

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



24.9826, 0.2623, 0.4133



53.1033, 0.2935, 0.3499



25.5985, 0.3355, 0.5202



11.8809, 0.2912, 0.3529



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.



24.9826, 0.2623, 0.4133



44.2089, 0.2597, 0.4361



22.8405, 0.2307, 0.3087



6.9852, 0.3039, 0.3379



19.4838, 0.2613, 0.4607



0.2984, 0.2437, 0.3973

Inverse Universe

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



9.9150, 0.4393, 0.2662



14.8563, 0.4851, 0.2636



10.3826, 0.5158, 0.3445



6.2610, 0.3225, 0.3203



5.8763, 0.5346, 0.2719



0.0947, 0.4342, 0.2166

Previews

White Background



This preview shows how the Yxy color 24.9816, 0.2623, 0.4133 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 24.9816, 0.2623, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

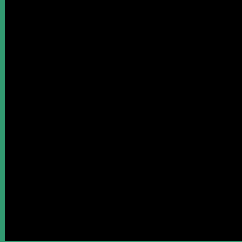
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9816, 0.2623, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 24.9816, 0.2623, 0.4133.



This preview shows how white text looks on a background with the Yxy color 24.9816, 0.2623, 0.4133.

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

24.9816, 0.2623, 0.4133

Protanopia

24.6275, 0.3577, 0.3833

Deuteranopia

24.6085, 0.3571, 0.3502



Tritanopia

24.9831, 0.2381, 0.3068

Trichromacy



Original Color

24.9816, 0.2623, 0.4133

Protanomaly

24.0215, 0.3126, 0.3972

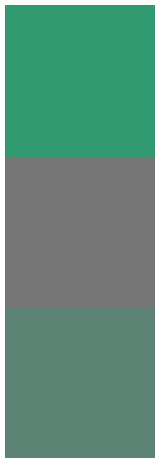
Deuteranomaly

23.5081, 0.3118, 0.3717

Tritanomaly

24.8200, 0.2462, 0.3423

Monochromacy



Original Color

24.9816, 0.2623, 0.4133

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.8207, 0.2863, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9816, 0.2623, 0.4133 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(50, 154, 113)` looks like.

```
.text, #text, p{  
    color:rgb(50, 154, 113)  
}
```

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(50, 154, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 154, 113) }
```

Border

The CSS property to change the border of an element to Yxy 24.9816, 0.2623, 0.4133 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(50, 154, 113) }
```

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

```
.border{ border-color:rgb(50, 154, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 154, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 154, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 154, 113);  
box-shadow:4px 4px 4px 4px rgb(50, 154,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9816, 0.2623, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 154, 113) }
```

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

```
.background{ background-color: rgb(50, 154,  
113) }
```

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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