

Converting Colors

$Yxy(24.8262, 0.2489, 0.3688)$

Have a look what the booklet for
Yxy(24.8262, 0.2489, 0.3688)
contains.

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Color

Yxy(24.8262, 0.2489, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	339884
RGB	51, 152, 132
RGB Percent	20%, 60%, 52%
CMY	0.8003, 0.4039, 0.4824
CMYK	0.66, 0.00, 0.13, 0.40
HSL	168°, 50%, 40%
HSV	168°, 66%, 60%
XYZ	16.7550, 24.8262, 25.7350
YIQ	119.5210, -53.7760, -27.6320

Conversions

Conversions Part 2

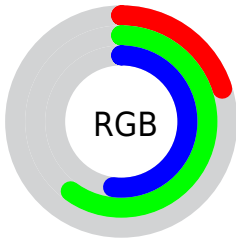
Format	Color
R_{YB}	51, 107, 152
Decimal	3381380
CIE _{Lab}	56.91, -33.90, 2.04
CIE _{LCh}	57, 33.957, 176.551
Yxy	24.8262, 0.2489, 0.3688
Android (android.graphics.Color)	4281571460 (0xFF339884)
YUV	119.5210, 6.1521, -60.0929
Hunter-Lab	49.8259, -27.1710, 4.2550

Details

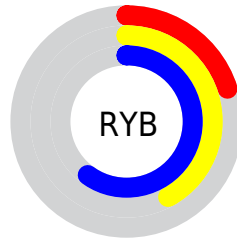
The Yxy color **24.8262, 0.2489, 0.3688** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.4921, 0.4810, 0.2991**, and the grayscale version is **18.6088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4434, 0.2626, 0.3603**, and **9.7389, 0.2390, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **24.4142, 0.2449, 0.3758**, and if you desaturate by 10%, it is **25.3716, 0.2547, 0.3619**.

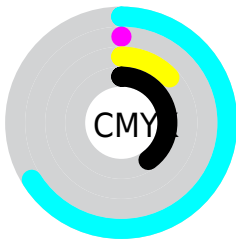
Distribution



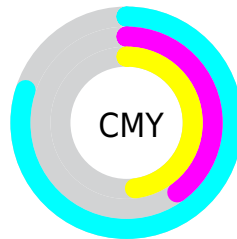
- Red (20%)
- Green (60%)
- Blue (52%)



- Red (20%)
- Yellow (42%)
- Blue (60%)



- Cyan (66%)
- Magenta (0%)
- Yellow (13%)
- Black (40%)





- Cyan (80%)
- Magenta (40%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8262, 0.2489, 0.3688 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 24.8262, 0.2489, 0.3688 by changing the saturation by 10% instead.


 24.8262, 0.2489,
0.3688


 24.8262, 0.2489,
0.3688


276.9713, 0.2840,
0.3467


 15.9476, 0.2389,
0.3752


 51.3751, 0.2625,
0.3601


 9.4871, 0.2253,
0.3841


 69.8143, 0.2674,
0.3571


 5.0602, 0.2056,
0.3970

 92.2090, 0.2714,
0.3546

 2.2826, 0.1750,
0.4177

 118.9438, 0.2747,
0.3525

 0.7645, 0.0000,
0.5258

 150.4031, 0.2776,
0.3507

 0.0000, 0.0000,
0.0000

186.9711, 0.2800,

0.3492

229.0324, 0.2822,
0.3478

■ 24.8262, 0.2489,
0.3688

■ 24.8262, 0.2489,
0.3688

■ 24.4142, 0.2449,
0.3758

■ 25.3716, 0.2547,
0.3619

■ 24.1194, 0.2428,
0.3829

■ 26.0588, 0.2623,
0.3552

■ 23.9229, 0.2424,
0.3899

■ 26.8990, 0.2713,
0.3488

■ 23.8623, 0.2423,
0.3924

■ 27.9014, 0.2815,
0.3428

■ 29.0744, 0.2928,
0.3372

■ 30.4260, 0.3047,
0.3321

■ 31.9635, 0.3171,
0.3274

■ 33.6939, 0.3297,
0.3232

■ 35.6238, 0.3423,
0.3195

Harmonies

Analogous

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



24.8262, 0.2999, 0.4189



24.8262, 0.2489, 0.3688



24.8262, 0.2167, 0.3093

Triad

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



24.8262, 0.2489, 0.3688



24.8262, 0.2620, 0.2393



24.8262, 0.4288, 0.3793

Complementary

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



24.8262, 0.2489, 0.3688



9.4921, 0.4810, 0.2991

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.



24.8262, 0.4187, 0.3340



24.8262, 0.2489, 0.3688



24.8262, 0.3172, 0.2576

Square

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



24.8262, 0.2489, 0.3688



24.8262, 0.2240, 0.2404



24.8262, 0.3762, 0.2911



24.8262, 0.4049, 0.4178

Rectangle

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



24.8262, 0.2489, 0.3688



24.8262, 0.2084, 0.2765



24.8262, 0.3762, 0.2911



24.8262, 0.4295, 0.3644

Sweetspot

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



24.8272, 0.2489, 0.3688



50.4697, 0.2883, 0.3393



24.0430, 0.3174, 0.5286



11.3498, 0.2854, 0.3408



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.8272, 0.2489, 0.3688



42.8000, 0.2436, 0.3794



16.8113, 0.2215, 0.2669



7.0056, 0.3014, 0.3334



20.0098, 0.2422, 0.3919



0.3039, 0.2335, 0.3607

Inverse Universe

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



9.4921, 0.4810, 0.2991



13.6986, 0.5418, 0.3004



12.8373, 0.4844, 0.3767



6.2417, 0.3254, 0.3246



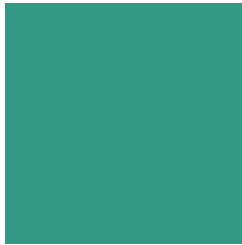
5.6800, 0.6032, 0.3097



0.0892, 0.5094, 0.2580

Previews

White Background



This preview shows how the Yxy color 24.8262, 0.2489, 0.3688 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 24.8262, 0.2489, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

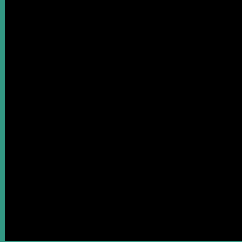
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8262, 0.2489, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 24.8262, 0.2489, 0.3688.

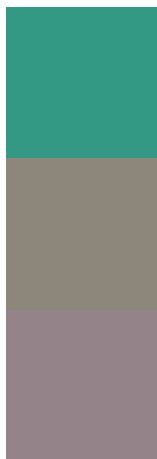


This preview shows how white text looks on a background with the Yxy color 24.8262, 0.2489, 0.3688.

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

24.8262, 0.2489, 0.3688

Protanopia

24.4207, 0.3324, 0.3495

Deuteranopia

24.3061, 0.3270, 0.3208



Tritanopia

24.8079, 0.2355, 0.3067

Trichromacy



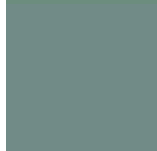
Original Color

24.8262, 0.2489, 0.3688



Protanomaly

23.7443, 0.2928, 0.3570



Deuteranomaly

23.7252, 0.2893, 0.3362



Tritanomaly

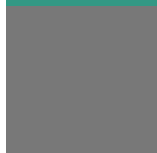
24.6267, 0.2397, 0.3269

Monochromacy



Original Color

24.8262, 0.2489, 0.3688



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

20.3907, 0.2809, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8262, 0.2489, 0.3688 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(51, 152, 132)` looks like.

```
.text, #text, p{  
    color:rgb(51, 152, 132)  
}
```

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(51, 152, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 152, 132) }
```

Border

The CSS property to change the border of an element to Yxy 24.8262, 0.2489, 0.3688 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(51, 152, 132) }
```

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

```
.border{ border-color:rgb(51, 152, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 152, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 152, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 152, 132);  
box-shadow:4px 4px 4px 4px rgb(51, 152,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8262, 0.2489, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 152, 132) }
```

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

```
.background{ background-color: rgb(51, 152,  
132) }
```

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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