

Converting Colors

$Y_{xy}(24.7198, 0.2516, 0.3772)$

Have a look what the booklet for
Yxy(24.7198, 0.2516, 0.3772)
contains.

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Color

Yxy(24.7188, 0.2516, 0.3772)

Conversions

Conversions Part 1

Format	Color
Hex	339880
RGB	51, 152, 128
RGB Percent	20%, 60%, 50%
CMY	0.8002, 0.4039, 0.4980
CMYK	0.66, 0.00, 0.16, 0.40
HSL	166°, 50%, 40%
HSV	166°, 66%, 60%
XYZ	16.4879, 24.7188, 24.3256
YIQ	119.0650, -52.4920, -28.8760

Conversions

Conversions Part 2

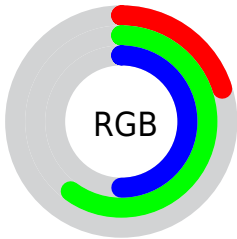
Format	Color
RYB	51, 108, 152
Decimal	3381376
CIELab	56.80, -34.94, 4.16
CIElCh	57, 35.186, 173.208
Yxy	24.7188, 0.2516, 0.3772
Android (android.graphics.Color)	4281571456 (0xFF339880)
YUV	119.0650, 4.4050, -59.6930
Hunter-Lab	49.7180, -27.8107, 5.7937

Details

The Yxy color **24.7188, 0.2516, 0.3772** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.5466, 0.4720, 0.2926**, and the grayscale version is **18.4639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2768, 0.2648, 0.3662**, and **9.6789, 0.2426, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **24.2944, 0.2479, 0.3858**, and if you desaturate by 10%, it is **25.2775, 0.2571, 0.3688**.

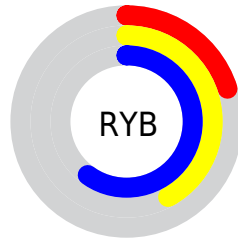
Distribution



Red (20%)

Green (60%)

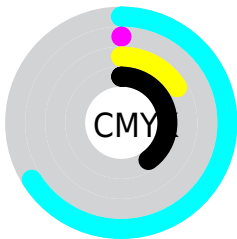
Blue (50%)



Red (20%)

Yellow (42%)

Blue (60%)

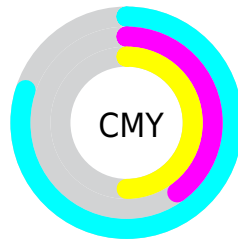


Cyan (66%)

Magenta (0%)

Yellow (16%)

Black (40%)



Cyan (80%)

Magenta (40%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7188, 0.2516, 0.3772 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 24.7188, 0.2516, 0.3772 by changing the saturation by 10% instead.


 24.7188, 0.2516,
0.3772


 24.7188, 0.2516,
0.3772


276.4346, 0.2855,
0.3501


 15.8677, 0.2419,
0.3852


 51.2007, 0.2648,
0.3665

 9.4306, 0.2285,
0.3964


 69.6002, 0.2695,
0.3627

 5.0231, 0.2091,
0.4130

 91.9513, 0.2733,
0.3597

 2.2608, 0.1786,
0.4403

 118.6384, 0.2765,
0.3571

 0.7528, 0.0000,
0.5874

 150.0459, 0.2793,
0.3549

 0.0000, 0.0000,
0.0000

186.5582, 0.2816,

0.3531

228.5596, 0.2837,
0.3515

■ 24.7188, 0.2516,
0.3772

■ 24.7188, 0.2516,
0.3772

■ 24.2944, 0.2479,
0.3858

■ 25.2775, 0.2571,
0.3688

■ 23.9884, 0.2461,
0.3944

■ 25.9791, 0.2643,
0.3606

■ 23.7816, 0.2460,
0.4030

■ 26.8347, 0.2730,
0.3529

■ 23.7173, 0.2461,
0.4061

■ 27.8536, 0.2829,
0.3456

■ 29.0441, 0.2936,
0.3389

■ 30.4143, 0.3051,
0.3327

■ 31.9715, 0.3169,
0.3271

■ 33.7227, 0.3289,
0.3221

■ 35.6745, 0.3409,
0.3176

Harmonies

Analogous

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



24.7188, 0.3058, 0.4266



24.7188, 0.2516, 0.3772



24.7188, 0.2159, 0.3148

Triad

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



24.7188, 0.2516, 0.3772



24.7188, 0.2547, 0.2354



24.7188, 0.4338, 0.3755

Complementary

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



24.7188, 0.2516, 0.3772



9.5466, 0.4720, 0.2926

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.



24.7188, 0.4193, 0.3287



24.7188, 0.2516, 0.3772



24.7188, 0.3103, 0.2522

Square

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



24.7188, 0.2516, 0.3772



24.7188, 0.2181, 0.2388



24.7188, 0.3722, 0.2853



24.7188, 0.4123, 0.4170

Rectangle

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



24.7188, 0.2516, 0.3772



24.7188, 0.2056, 0.2793



24.7188, 0.3722, 0.2853



24.7188, 0.4331, 0.3600

Sweetspot

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



24.7198, 0.2516, 0.3772



50.4029, 0.2893, 0.3414



24.2425, 0.3216, 0.5260



11.3329, 0.2865, 0.3432



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.



24.7198, 0.2516, 0.3772



42.5793, 0.2468, 0.3902



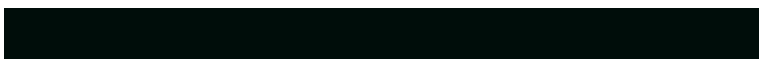
18.0820, 0.2241, 0.2778



7.0015, 0.3019, 0.3343



19.8896, 0.2460, 0.4055



0.3028, 0.2354, 0.3674

Inverse Universe

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



9.5466, 0.4720, 0.2926



13.7815, 0.5303, 0.2933



12.1130, 0.4912, 0.3685



6.2455, 0.3248, 0.3237



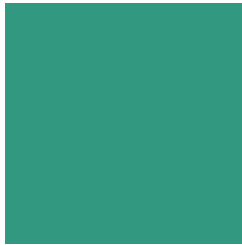
5.7087, 0.5917, 0.3033



0.0903, 0.4913, 0.2480

Previews

White Background



This preview shows how the Yxy color 24.7188, 0.2516, 0.3772 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 24.7188, 0.2516, 0.3772 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 24.7188, 0.2516, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 24.7188, 0.2516, 0.3772.

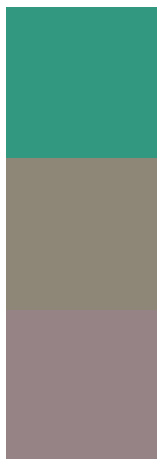


This preview shows how white text looks on a background with the Yxy color 24.7188, 0.2516, 0.3772.

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

24.7188, 0.2516, 0.3772

Protanopia

24.4106, 0.3379, 0.3563

Deuteranopia

24.3156, 0.3315, 0.3258



Tritanopia

24.8417, 0.2360, 0.3067

Trichromacy



Original Color

24.7188, 0.2516, 0.3772

Protanomaly

23.7061, 0.2975, 0.3646

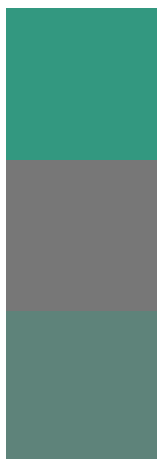
Deuteranomaly

23.6146, 0.2931, 0.3436

Tritanomaly

24.5937, 0.2415, 0.3307

Monochromacy



Original Color

24.7188, 0.2516, 0.3772

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.0174, 0.2816, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7188, 0.2516, 0.3772 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(51, 152, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 152, 128) }
```

Border

The CSS property to change the border of an element to Yxy 24.7188, 0.2516, 0.3772 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, 128) }
```

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

```
.border{ border-color:rgb(51, 152, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 152, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 152, 128);  
box-shadow:4px 4px 4px 4px rgb(51, 152,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7188, 0.2516, 0.3772 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, 128) }
```

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

```
.background{ background-color: rgb(51, 152,  
128) }
```

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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