

Converting Colors

$Y_{xy}(24.2591, 0.3238, 0.4051)$

Have a look what the booklet for
Yxy(24.2591, 0.3238, 0.4051)
contains.

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Color

Yxy(24.3172, 0.3238, 0.4054)

Conversions

Conversions Part 1

Format	Color
Hex	748F66
RGB	116, 143, 102
RGB Percent	45%, 56%, 40%
CMY	0.5451, 0.4392, 0.5999
CMYK	0.19, 0.00, 0.29, 0.44
HSL	100°, 17%, 48%
HSV	100°, 29%, 56%
XYZ	19.4226, 24.3172, 16.2435
YIQ	130.2530, -2.9310, -18.4750

Conversions

Conversions Part 2

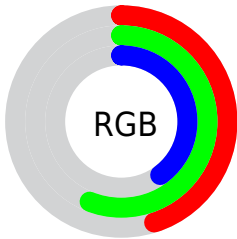
Format	Color
R_{YB}	102, 143, 129
Decimal	7638886
CIE _{Lab}	56.40, -17.58, 18.76
CIE _{LCh}	56, 25.712, 133.139
Yxy	24.3172, 0.3238, 0.4054
Android (android.graphics.Color)	4285828966 (0xFF748F66)
YUV	130.2530, -13.9287, -12.4999
Hunter-Lab	49.3125, -15.9915, 14.9887

Details

The Yxy color $24.3172, 0.3238, 0.4054$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.1580, 0.2977, 0.2563$, and the grayscale version is $22.4686, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.6674, 0.3226, 0.3884$, and $9.2978, 0.3254, 0.4373$ is the 20% darker color. If you saturate the color by 10%, you get $23.4451, 0.3269, 0.4358$, and if you desaturate by 10%, it is $25.3059, 0.3202, 0.3766$.

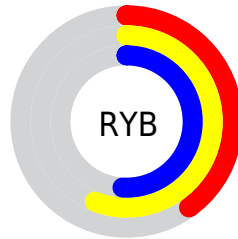
Distribution



Red (45%)

Green (56%)

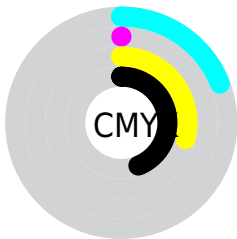
Blue (40%)



Red (40%)

Yellow (56%)

Blue (51%)

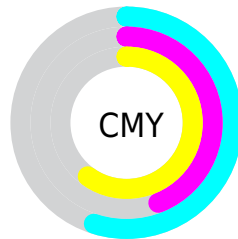


Cyan (19%)

Magenta (0%)

Yellow (29%)

Black (44%)



Cyan (55%)


Magenta (44%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3172, 0.3238, 0.4054 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 24.3172, 0.3238, 0.4054 by changing the saturation by 10% instead.


 24.3172, 0.3238,
0.4054


 24.3172, 0.3238,
0.4054


274.4202, 0.3185,
0.3617


 15.5691, 0.3249,
0.4186


 50.5473, 0.3220,
0.3879

 9.2198, 0.3259,
0.4373


 68.7981, 0.3213,
0.3819

 4.8848, 0.3265,
0.4653

 90.9853, 0.3207,
0.3769

 2.1798, 0.3272,
0.5154

 117.4932, 0.3201,
0.3728

 0.7090, 0.2566,
0.7434

148.7063, 0.3196,
0.3694

 0.0000, 0.0000,
0.0000

185.0089, 0.3192,

0.3664

226.7854, 0.3188,
0.3639

■ 24.3172, 0.3238,
0.4054

■ 24.3172, 0.3238,
0.4054

■ 23.4451, 0.3269,
0.4358

■ 25.3059, 0.3202,
0.3766

■ 22.6820, 0.3290,
0.4669

■ 26.4122, 0.3162,
0.3501

■ 22.0242, 0.3301,
0.4975

■ 27.6411, 0.3122,
0.3259

■ 21.4664, 0.3297,
0.5258

■ 28.9965, 0.3081,
0.3042

■ 21.0031, 0.3277,
0.5503

■ 30.4820, 0.3042,
0.2849

■ 20.6278, 0.3242,
0.5692

■ 32.1009, 0.3004,
0.2678

■ 20.3291, 0.3198,
0.5830

■ 33.8566, 0.2968,
0.2526

■ 20.2934, 0.3192,
0.5847

■ 35.7524, 0.2935,
0.2392

■ 37.7913, 0.2903,
0.2274

Harmonies

Analogous

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



24.3172, 0.3659, 0.4074



24.3172, 0.3238, 0.4054



24.3172, 0.2806, 0.3776

Triad

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



24.3172, 0.3238, 0.4054



24.3172, 0.2356, 0.2665



24.3172, 0.3814, 0.3184

Complementary

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



24.3172, 0.3238, 0.4054



16.1580, 0.2977, 0.2563

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.



24.3172, 0.3420, 0.2866



24.3172, 0.3238, 0.4054



24.3172, 0.2584, 0.2571

Square

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



24.3172, 0.3238, 0.4054



24.3172, 0.2317, 0.2936



24.3172, 0.2966, 0.2647



24.3172, 0.4011, 0.3542

Rectangle

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



24.3172, 0.3238, 0.4054



24.3172, 0.2568, 0.3496



24.3172, 0.2966, 0.2647



24.3172, 0.3699, 0.3070

Sweetspot

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



24.3182, 0.3238, 0.4054



47.1871, 0.3164, 0.3514



22.4102, 0.3606, 0.3753



10.7583, 0.3170, 0.3548



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.3182, 0.3238, 0.4054



42.5764, 0.3257, 0.4237



23.5581, 0.3033, 0.3965



6.1132, 0.3164, 0.3514



17.9525, 0.3196, 0.5845



0.1829, 0.3529, 0.5580

Inverse Universe

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



16.1580, 0.2977, 0.2563



25.6359, 0.2936, 0.2399



17.1474, 0.3238, 0.2697



5.4202, 0.3086, 0.3070



3.8808, 0.2386, 0.1088



0.0493, 0.2778, 0.1304

Previews

White Background



This preview shows how the Yxy color 24.3172, 0.3238, 0.4054 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 24.3172, 0.3238, 0.4054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

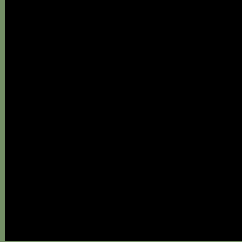
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3172, 0.3238, 0.4054

Background



This preview shows how black text looks on a background with the Yxy color 24.3172, 0.3238, 0.4054.



This preview shows how white text looks on a background with the Yxy color 24.3172, 0.3238, 0.4054.

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

24.3172, 0.3238, 0.4054

Protanopia

24.2295, 0.3647, 0.3919

Deuteranopia

23.9895, 0.3758, 0.3680



Tritanopia

24.2404, 0.2872, 0.3099

Trichromacy



Original Color

24.3172, 0.3238, 0.4054

Protanomaly

24.1461, 0.3490, 0.3980

Deuteranomaly

23.8893, 0.3561, 0.3806

Tritanomaly

24.0970, 0.3003, 0.3433

Monochromacy



Original Color

24.3172, 0.3238, 0.4054

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.0440, 0.3171, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3172, 0.3238, 0.4054 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(116, 143, 102)` looks like.

```
.text, #text, p{  
    color:rgb(116, 143, 102)  
}
```

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(116, 143, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 143, 102) }
```

Border

The CSS property to change the border of an element to Yxy 24.3172, 0.3238, 0.4054 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(116, 143, 102) }
```

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

```
.border{ border-color:rgb(116, 143, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 143, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 143, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 143, 102);  
box-shadow:4px 4px 4px 4px rgb(116, 143,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3172, 0.3238, 0.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 143, 102) }
```

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

```
.background{ background-color: rgb(116,  
143, 102) }
```

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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