

Converting Colors

$Y_{xy}(23.6331, 0.3544, 0.4267)$

Have a look what the booklet for
Yxy(23.6331, 0.3544, 0.4267)
contains.

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Color

Yxy(23.6331, 0.3544, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	7F8B55
RGB	127, 139, 85
RGB Percent	50%, 55%, 33%
CMY	0.5018, 0.4549, 0.6666
CMYK	0.09, 0.00, 0.39, 0.45
HSL	73°, 24%, 44%
HSV	73°, 39%, 55%
XYZ	19.6287, 23.6331, 12.1239
YIQ	129.2560, 10.1820, -19.3380

Conversions

Conversions Part 2

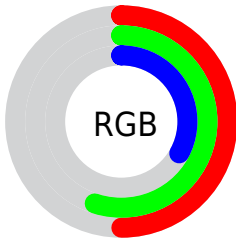
Format	Color
RYB	85, 139, 97
Decimal	8358741
CIELab	55.72, -13.59, 27.43
CIELCh	56, 30.615, 116.350
Yxy	23.6331, 0.3544, 0.4267
Android (android.graphics.Color)	4286548821 (0xFF7F8B55)
YUV	129.2560, -21.8182, -1.9785
Hunter-Lab	48.6139, -13.0018, 19.2432

Details

The Yxy color $23.6331, 0.3544, 0.4267$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $10.9030, 0.2588, 0.2199$, and the grayscale version is $22.1254, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.2723, 0.3472, 0.4047$, and $8.8625, 0.3671, 0.4659$ is the 20% darker color. If you saturate the color by 10%, you get $23.2015, 0.3637, 0.4518$, and if you desaturate by 10%, it is $24.1174, 0.3441, 0.4008$.

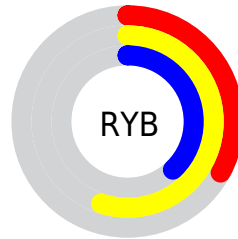
Distribution



Red (50%)

Green (55%)

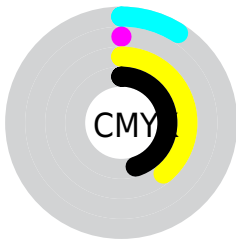
Blue (33%)



Red (33%)

Yellow (55%)

Blue (38%)

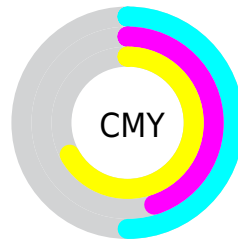


Cyan (9%)

Magenta (0%)

Yellow (39%)

Black (45%)



Cyan (50%)


Magenta (45%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6331, 0.3544, 0.4267 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 23.6331, 0.3544, 0.4267 by changing the saturation by 10% instead.


 23.6331, 0.3544,
0.4267


 23.6331, 0.3544,
0.4267

270.9603, 0.3326,
0.3712


 15.0617, 0.3598,
0.4430


 49.4308, 0.3464,
0.4048

 8.8627, 0.3663,
0.4655


 67.4259, 0.3434,
0.3971

 4.6517, 0.3738,
0.4979

 89.3310, 0.3409,
0.3908

 2.0444, 0.4098,
0.5902

 115.5304, 0.3387,
0.3855

 0.6331, 0.2990,
0.7010

 146.4087, 0.3369,
0.3811

 0.0000, 0.0000,
0.0000

182.3502, 0.3352,

0.3773

223.7392, 0.3338,
0.3741

■ 23.6331, 0.3544,
0.4267

■ 23.6331, 0.3544,
0.4267

■ 23.2015, 0.3637,
0.4518

■ 24.1174, 0.3441,
0.4008

■ 22.8169, 0.3716,
0.4751

■ 24.6538, 0.3333,
0.3751

■ 22.4774, 0.3775,
0.4957


■ 25.2454, 0.3223,
0.3501

■ 22.1797, 0.3811,
0.5126


■ 25.8944, 0.3115,
0.3263


■ 21.9203, 0.3823,
0.5252


■ 26.6027, 0.3011,
0.3041

 21.6900, 0.3816,
0.5342

 27.3723, 0.2912,
0.2836

 21.6639, 0.3815,
0.5353

 28.2049, 0.2819,
0.2648

 29.1023, 0.2733,
0.2477

 30.0660, 0.2653,
0.2323

Harmonies

Analogous

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



23.6331, 0.3980, 0.4110



23.6331, 0.3544, 0.4267



23.6331, 0.3017, 0.4109

Triad

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



23.6331, 0.3544, 0.4267



23.6331, 0.2161, 0.2693



23.6331, 0.3707, 0.2939

Complementary

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



23.6331, 0.3544, 0.4267



10.9030, 0.2588, 0.2199

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.



23.6331, 0.3167, 0.2627



23.6331, 0.3544, 0.4267



23.6331, 0.2306, 0.2473

Square

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



23.6331, 0.3544, 0.4267



23.6331, 0.2242, 0.3117



23.6331, 0.2659, 0.2458



23.6331, 0.4096, 0.3339

Rectangle

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



23.6331, 0.3544, 0.4267



23.6331, 0.2688, 0.3831



23.6331, 0.2659, 0.2458



23.6331, 0.3534, 0.2822

Sweetspot

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



23.6342, 0.3544, 0.4267



44.8402, 0.3260, 0.3585



14.6403, 0.3963, 0.3509



10.3049, 0.3273, 0.3613



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.6342, 0.3544, 0.4267



41.6136, 0.3630, 0.4498



21.8465, 0.3234, 0.4372



5.7900, 0.3226, 0.3508



19.5622, 0.3817, 0.5352



0.1363, 0.4007, 0.5200

Inverse Universe

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



10.9030, 0.2588, 0.2199



15.3281, 0.2429, 0.1903



12.6258, 0.2952, 0.2303



4.9422, 0.3023, 0.3066



1.9492, 0.1638, 0.0676



0.0185, 0.2020, 0.0886

Previews

White Background



This preview shows how the Yxy color 23.6331, 0.3544, 0.4267 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 23.6331, 0.3544, 0.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

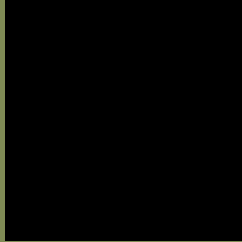
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6331, 0.3544, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 23.6331, 0.3544, 0.4267.



This preview shows how white text looks on a background with the Yxy color 23.6331, 0.3544, 0.4267.

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

23.6331, 0.3544, 0.4267

Protanopia

23.4193, 0.3820, 0.4137

Deuteranopia

23.3569, 0.3995, 0.3913



Tritanopia

23.5540, 0.3035, 0.3103

Trichromacy



Original Color

23.6331, 0.3544, 0.4267

Protanomaly

23.3713, 0.3710, 0.4179

Deuteranomaly

23.2166, 0.3828, 0.4031

Tritanomaly

23.5584, 0.3218, 0.3520

Monochromacy



Original Color

23.6331, 0.3544, 0.4267

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.5565, 0.3283, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6331, 0.3544, 0.4267 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(127, 139, 85)` looks like.

```
.text, #text, p{  
    color:rgb(127, 139, 85)  
}
```

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(127, 139, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 139, 85) }
```

Border

The CSS property to change the border of an element to Yxy 23.6331, 0.3544, 0.4267 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(127, 139, 85) }
```

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

```
.border{ border-color:rgb(127, 139, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 139, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 139, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 139, 85);  
box-shadow:4px 4px 4px 4px rgb(127, 139,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6331, 0.3544, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 139, 85) }
```

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

```
.background{ background-color: rgb(127,  
139, 85) }
```

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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