

Converting Colors

$Y_{xy}(23.1041, 0.3233, 0.3779)$

Have a look what the booklet for
Yxy(23.1041, 0.3233, 0.3779)
contains.

Yxy(23.1547, 0.3237, 0.3788)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.1547, 0.3237, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	7A896E
RGB	122, 137, 110
RGB Percent	48%, 54%, 43%
CMY	0.5216, 0.4627, 0.5685
CMYK	0.11, 0.00, 0.20, 0.46
HSL	93°, 11%, 48%
HSV	93°, 20%, 54%
XYZ	19.7866, 23.1547, 18.1851
YIQ	129.4370, -0.2730, -11.5770

Conversions

Conversions Part 2

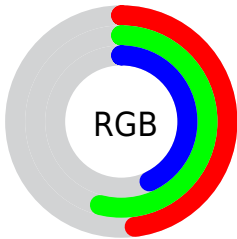
Format	Color
R_{YB}	110, 137, 125
Decimal	8030574
CIE _{Lab}	55.23, -10.70, 12.67
CIE _{LCh}	55, 16.584, 130.172
Y _{xy}	23.1547, 0.3237, 0.3788
Android (android.graphics.Color)	4286220654 (0xFF7A896E)
YUV	129.4370, -9.5824, -6.5222
Hunter-Lab	48.1193, -10.8098, 11.2768

Details

The Yxy color $23.1547, 0.3237, 0.3788$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $17.3260, 0.2997, 0.2798$, and the grayscale version is $22.1495, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.5495, 0.3217, 0.3665$, and $8.5807, 0.3275, 0.4000$ is the 20% darker color. If you saturate the color by 10%, you get $22.3452, 0.3289, 0.4069$, and if you desaturate by 10%, it is $24.0560, 0.3182, 0.3525$.

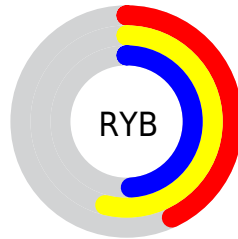
Distribution



Red (48%)

Green (54%)

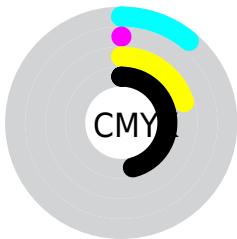
Blue (43%)



Red (43%)

Yellow (54%)

Blue (49%)

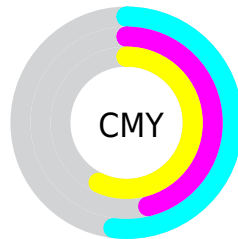


Cyan (11%)

Magenta (0%)

Yellow (20%)

Black (46%)



Cyan (52%)


Magenta (46%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1547, 0.3237, 0.3788 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 23.1547, 0.3237, 0.3788 by changing the saturation by 10% instead.


 23.1547, 0.3237,
0.3788


 23.1547, 0.3237,
0.3788


268.5186, 0.3179,
0.3504


 14.7078, 0.3252,
0.3874


 48.6472, 0.3215,
0.3675


 8.6146, 0.3272,
0.3995


 66.4616, 0.3207,
0.3635

 4.4906, 0.3297,
0.4179

 88.1673, 0.3201,
0.3603

 1.9516, 0.3327,
0.4488

 114.1486, 0.3195,
0.3577

 0.5791, 0.3331,
0.6669

144.7900, 0.3190,
0.3554

 0.0000, 0.0000,
0.0000

180.4759, 0.3186,

0.3535

221.5906, 0.3182,
0.3519

■ 23.1547, 0.3237,
0.3788

■ 23.1547, 0.3237,
0.3788

■ 22.3452, 0.3289,
0.4069

■ 24.0560, 0.3182,
0.3525

■ 21.6213, 0.3335,
0.4363

■ 25.0491, 0.3125,
0.3283

■ 20.9809, 0.3371,
0.4660

■ 26.1376, 0.3070,
0.3063

■ 20.4202, 0.3394,
0.4948

■ 27.3244, 0.3016,
0.2865

■ 19.9355, 0.3399,
0.5212

■ 28.6119, 0.2965,
0.2689

■ 19.5226, 0.3387,
0.5439

■ 30.0026, 0.2917,
0.2531

■ 19.1764, 0.3354,
0.5615

■ 31.4989, 0.2871,
0.2391

■ 18.8859, 0.3311,
0.5750

■ 33.1031, 0.2829,
0.2266

■ 18.8775, 0.3310,
0.5754

■ 34.8173, 0.2790,
0.2155

Harmonies

Analogous

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



23.1547, 0.3507, 0.3797



23.1547, 0.3237, 0.3788



23.1547, 0.2946, 0.3625

Triad

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



23.1547, 0.3237, 0.3788



23.1547, 0.2600, 0.2892



23.1547, 0.3555, 0.3202

Complementary

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



23.1547, 0.3237, 0.3788



17.3260, 0.2997, 0.2798

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.



23.1547, 0.3294, 0.2987



23.1547, 0.3237, 0.3788



23.1547, 0.2746, 0.2808

Square

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



23.1547, 0.3237, 0.3788



23.1547, 0.2588, 0.3090



23.1547, 0.2997, 0.2845



23.1547, 0.3698, 0.3447

Rectangle

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



23.1547, 0.3237, 0.3788



23.1547, 0.2780, 0.3454



23.1547, 0.2997, 0.2845



23.1547, 0.3477, 0.3125

Sweetspot

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



23.1557, 0.3237, 0.3788



43.6916, 0.3162, 0.3436



21.0775, 0.3450, 0.3556



9.7788, 0.3165, 0.3449



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.1557, 0.3237, 0.3788



40.7438, 0.3263, 0.3922



22.3647, 0.3089, 0.3782



5.7097, 0.3179, 0.3511



17.5905, 0.3312, 0.5753



0.1253, 0.3658, 0.5478

Inverse Universe

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



17.3260, 0.2997, 0.2798



28.1685, 0.2959, 0.2668



18.2436, 0.3166, 0.2843



5.0204, 0.3072, 0.3070



3.1290, 0.2163, 0.0965



0.0295, 0.2625, 0.1220

Previews

White Background



This preview shows how the Yxy color 23.1547, 0.3237, 0.3788 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 23.1547, 0.3237, 0.3788 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 23.1547, 0.3237, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 23.1547, 0.3237, 0.3788.



This preview shows how white text looks on a background with the Yxy color 23.1547, 0.3237, 0.3788.

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

23.1547, 0.3237, 0.3788

Protanopia

23.1395, 0.3498, 0.3727

Deuteranopia

23.0240, 0.3608, 0.3541



Tritanopia

22.9977, 0.2959, 0.3098

Trichromacy



Original Color

23.1547, 0.3237, 0.3788

Protanomaly

23.1194, 0.3395, 0.3755

Deuteranomaly

23.0430, 0.3468, 0.3638

Tritanomaly

23.0489, 0.3058, 0.3343

Monochromacy



Original Color

23.1547, 0.3237, 0.3788

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3433, 0.3165, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1547, 0.3237, 0.3788 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(122, 137, 110)` looks like.

```
.text, #text, p{  
    color:rgb(122, 137, 110)  
}
```

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(122, 137, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 137, 110) }
```

Border

The CSS property to change the border of an element to Yxy 23.1547, 0.3237, 0.3788 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(122, 137, 110) }
```

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

```
.border{ border-color:rgb(122, 137, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 137, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 137, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 137, 110);  
box-shadow:4px 4px 4px 4px rgb(122, 137,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1547, 0.3237, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 137, 110) }
```

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

```
.background{ background-color: rgb(122,  
137, 110) }
```

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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