

Converting Colors

$Y_{xy}(23.1186, 0.3633, 0.4681)$

Have a look what the booklet for
Yxy(23.1186, 0.3633, 0.4681)
contains.

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Color

Yxy(23.0483, 0.3632, 0.4674)

Conversions

Conversions Part 1

Format	Color
Hex	778C40
RGB	119, 140, 64
RGB Percent	47%, 55%, 25%
CMY	0.5334, 0.4510, 0.7491
CMYK	0.15, 0.00, 0.54, 0.45
HSL	77°, 37%, 40%
HSV	77°, 54%, 55%
XYZ	17.9100, 23.0483, 8.3534
YIQ	125.0570, 11.8800, -28.0880

Conversions

Conversions Part 2

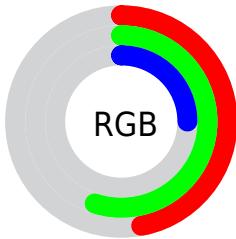
Format	Color
RYB	64, 140, 85
Decimal	7834688
CIELab	55.12, -19.91, 37.64
CIELCh	55, 42.582, 117.874
Yxy	23.0483, 0.3632, 0.4674
Android (android.graphics.Color)	4286024768 (0xFF778C40)
YUV	125.0570, -30.1011, -5.3120
Hunter-Lab	48.0086, -17.4242, 23.2897

Details

The Yxy color **23.0483, 0.3632, 0.4674** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.4908, 0.2370, 0.1721**, and the grayscale version is **20.6284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6827, 0.3549, 0.4367**, and **8.5730, 0.3722, 0.5215** is the 20% darker color. If you saturate the color by 10%, you get **22.6412, 0.3691, 0.4904**, and if you desaturate by 10%, it is **23.5087, 0.3556, 0.4422**.

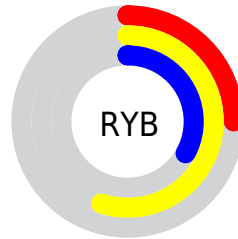
Distribution



Red (47%)

Green (55%)

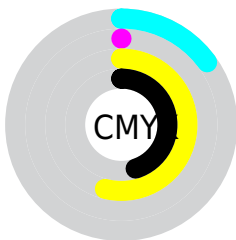
Blue (25%)



Red (25%)

Yellow (55%)

Blue (33%)

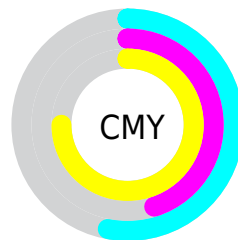


Cyan (15%)

Magenta (0%)

Yellow (54%)

Black (45%)



Cyan (53%)


Magenta (45%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0483, 0.3632, 0.4674 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 23.0483, 0.3632, 0.4674 by changing the saturation by 10% instead.


 23.0483, 0.3632,
0.4674


 23.0483, 0.3632,
0.4674


267.9730, 0.3383,
0.3884


 14.6292, 0.3681,
0.4902


 48.4726, 0.3548,
0.4363


 8.5595, 0.3726,
0.5208

 66.2466, 0.3514,
0.4254


 4.4550, 0.3791,
0.5702

 87.9077, 0.3484,
0.4164

 1.9312, 0.3699,
0.6301

 113.8402, 0.3459,
0.4089

 0.5670, 0.0854,
0.9146

 144.4286, 0.3436,
0.4026

 0.0000, 0.0000,
0.0000

180.0573, 0.3416,

0.3972

221.1106, 0.3399,
0.3925

■ 23.0483, 0.3632,
0.4674

■ 23.0483, 0.3632,
0.4674

■ 22.6412, 0.3691,
0.4904

■ 23.5087, 0.3556,
0.4422

■ 22.2810, 0.3728,
0.5101

■ 24.0220, 0.3467,
0.4160

■ 21.9652, 0.3742,
0.5258

■ 24.5921, 0.3371,
0.3896

■ 21.6892, 0.3733,
0.5371

■ 25.2212, 0.3270,
0.3637

■ 21.5421, 0.3723,
0.5426

■ 25.9117, 0.3170,
0.3391

■ 26.6657, 0.3071,
0.3160

■ 27.4852, 0.2977,
0.2947

■ 28.3722, 0.2888,
0.2751

■ 29.3285, 0.2804,
0.2573

Harmonies

Analogous

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



23.0483, 0.4255, 0.4408



23.0483, 0.3632, 0.4674



23.0483, 0.2911, 0.4458

Triad

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



23.0483, 0.3632, 0.4674



23.0483, 0.1835, 0.2430



23.0483, 0.3971, 0.2829

Complementary

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



23.0483, 0.3632, 0.4674



7.4908, 0.2370, 0.1721

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.



23.0483, 0.3207, 0.2417



23.0483, 0.3632, 0.4674



23.0483, 0.2036, 0.2175

Square

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



23.0483, 0.3632, 0.4674



23.0483, 0.1914, 0.2984



23.0483, 0.2507, 0.2184



23.0483, 0.4507, 0.3350

Rectangle

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



23.0483, 0.3632, 0.4674



23.0483, 0.2473, 0.4031



23.0483, 0.2507, 0.2184



23.0483, 0.3726, 0.2676

Sweetspot

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



23.0493, 0.3632, 0.4674



44.2267, 0.3291, 0.3689



12.3272, 0.4431, 0.3658



10.1441, 0.3309, 0.3735



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.



23.0493, 0.3632, 0.4674



39.7751, 0.3700, 0.4948



20.9097, 0.3213, 0.4882



5.7766, 0.3218, 0.3509



19.1493, 0.3725, 0.5424



0.1345, 0.3956, 0.5241

Inverse Universe

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



7.4908, 0.2370, 0.1721



9.4156, 0.2163, 0.1362



9.7165, 0.2911, 0.1933



4.9548, 0.3031, 0.3067



2.0695, 0.1697, 0.0708



0.0203, 0.2132, 0.0948

Previews

White Background



This preview shows how the Yxy color 23.0483, 0.3632, 0.4674 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 23.0483, 0.3632, 0.4674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

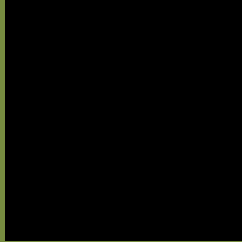
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0483, 0.3632, 0.4674

Background



This preview shows how black text looks on a background with the Yxy color 23.0483, 0.3632, 0.4674.



This preview shows how white text looks on a background with the Yxy color 23.0483, 0.3632, 0.4674.

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

23.0483, 0.3632, 0.4674

Protanopia

22.9504, 0.4057, 0.4444

Deuteranopia

22.7660, 0.4257, 0.4164



Tritanopia

23.0447, 0.2979, 0.3116

Trichromacy



Original Color

23.0483, 0.3632, 0.4674

Protanomaly

22.9100, 0.3895, 0.4533

Deuteranomaly

22.4815, 0.4019, 0.4333

Tritanomaly

22.9028, 0.3234, 0.3674

Monochromacy



Original Color

23.0483, 0.3632, 0.4674

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.1555, 0.3340, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0483, 0.3632, 0.4674 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(119, 140, 64)` looks like.

```
.text, #text, p{  
    color:rgb(119, 140, 64)  
}
```

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(119, 140, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 140, 64) }
```

Border

The CSS property to change the border of an element to Yxy 23.0483, 0.3632, 0.4674 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(119, 140, 64) }
```

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

```
.border{ border-color:rgb(119, 140, 64) }
```

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

Here you see how a box with a 4 pixel rgb(119, 140, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 140, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 140, 64);  
box-shadow:4px 4px 4px 4px rgb(119, 140,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0483, 0.3632, 0.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 140, 64) }
```

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

```
.background{ background-color: rgb(119,  
140, 64) }
```

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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