

Converting Colors

$Y_{xy}(23.4679, 0.3624, 0.4557)$

Have a look what the booklet for
Yxy(23.4679, 0.3624, 0.4557)
contains.

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Color

Yxy(23.4093, 0.3629, 0.4555)

Conversions

Conversions Part 1

Format	Color
Hex	7B8C46
RGB	123, 140, 70
RGB Percent	48%, 55%, 27%
CMY	0.5177, 0.4510, 0.7254
CMYK	0.12, 0.00, 0.50, 0.45
HSL	75°, 33%, 41%
HSV	75°, 50%, 55%
XYZ	18.6504, 23.4093, 9.3329
YIQ	126.9370, 12.3380, -25.3740

Conversions

Conversions Part 2

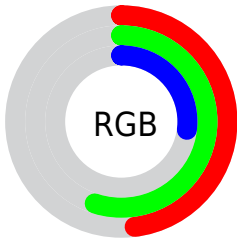
Format	Color
RYB	70, 140, 87
Decimal	8096838
CIELab	55.49, -17.60, 35.08
CIELCh	55, 39.248, 116.649
Yxy	23.4093, 0.3629, 0.4555
Android (android.graphics.Color)	4286286918 (0xFF7B8C46)
YUV	126.9370, -28.0699, -3.4527
Hunter-Lab	48.3832, -15.8638, 22.4314

Details

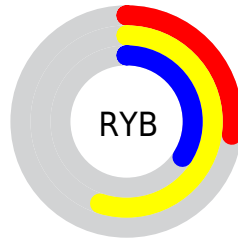
The Yxy color **23.4093, 0.3629, 0.4555** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.3051, 0.2413, 0.1845**, and the grayscale version is **21.2957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2868, 0.3542, 0.4277**, and **8.7480, 0.3736, 0.5049** is the 20% darker color. If you saturate the color by 10%, you get **23.0068, 0.3702, 0.4790**, and if you desaturate by 10%, it is **23.8639, 0.3541, 0.4302**.

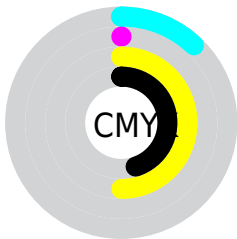
Distribution



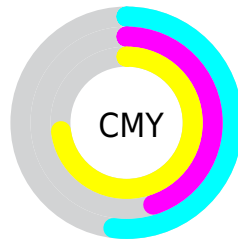
- Red (48%)
- Green (55%)
- Blue (27%)



- Red (27%)
- Yellow (55%)
- Blue (34%)



- Cyan (12%)
- Magenta (0%)
- Yellow (50%)
- Black (45%)





- Cyan (52%)
- Magenta (45%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4093, 0.3629, 0.4555 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 23.4093, 0.3629, 0.4555 by changing the saturation by 10% instead.


 23.4093, 0.3629,
0.4555


 23.4093, 0.3629,
0.4555


269.8203, 0.3376,
0.3836

 14.8960, 0.3684,
0.4763


 49.0645, 0.3541,
0.4272


 8.7464, 0.3741,
0.5044


 66.9753, 0.3506,
0.4172

 4.5762, 0.3802,
0.5458

 88.7873, 0.3476,
0.4090

 2.0008, 0.3852,
0.6148

 114.8850, 0.3450,
0.4022

 0.6079, 0.1959,
0.8041

 145.6527, 0.3428,
0.3965

 0.0000, 0.0000,
0.0000

181.4749, 0.3409,

0.3916

222.7360, 0.3391,
0.3873

■ 23.4093, 0.3629,
0.4555

■ 23.4093, 0.3629,
0.4555

■ 23.0068, 0.3702,
0.4790

■ 23.8639, 0.3541,
0.4302

■ 22.6502, 0.3754,
0.4996

■ 24.3701, 0.3443,
0.4042

■ 22.3372, 0.3784,
0.5164


■ 24.9315, 0.3338,
0.3782

■ 22.0639, 0.3790,
0.5289

■ 25.5504, 0.3232,
0.3529


■ 21.8195, 0.3778,
0.5382


■ 26.2290, 0.3127,
0.3290

 21.8192, 0.3778,
0.5382

 26.9693, 0.3025,
0.3066

 27.7733, 0.2929,
0.2859

 28.6428, 0.2838,
0.2670

 29.5795, 0.2753,
0.2498

Harmonies

Analogous

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



23.4093, 0.4194, 0.4315



23.4093, 0.3629, 0.4555



23.4093, 0.2962, 0.4368

Triad

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



23.4093, 0.3629, 0.4555



23.4093, 0.1924, 0.2517



23.4093, 0.3876, 0.2848

Complementary

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



23.4093, 0.3629, 0.4555



8.3051, 0.2413, 0.1845

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.



23.4093, 0.3175, 0.2467



23.4093, 0.3629, 0.4555



23.4093, 0.2102, 0.2262

Square

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



23.4093, 0.3629, 0.4555



23.4093, 0.2013, 0.3043



23.4093, 0.2534, 0.2257



23.4093, 0.4379, 0.3334

Rectangle

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



23.4093, 0.3629, 0.4555



23.4093, 0.2551, 0.3992



23.4093, 0.2534, 0.2257



23.4093, 0.3651, 0.2705

Sweetspot

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



23.4103, 0.3629, 0.4555



44.4472, 0.3289, 0.3662



12.7303, 0.4309, 0.3590



10.1955, 0.3309, 0.3710



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.



23.4103, 0.3629, 0.4555



40.4726, 0.3709, 0.4818



21.3091, 0.3237, 0.4733



5.7847, 0.3223, 0.3508



19.3945, 0.3780, 0.5380



0.1356, 0.3987, 0.5216

Inverse Universe

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



8.3051, 0.2413, 0.1845



10.6716, 0.2214, 0.1493



10.3664, 0.2899, 0.2022



4.9472, 0.3026, 0.3067



1.9937, 0.1660, 0.0688



0.0192, 0.2065, 0.0911

Previews

White Background



This preview shows how the Yxy color 23.4093, 0.3629, 0.4555 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 23.4093, 0.3629, 0.4555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

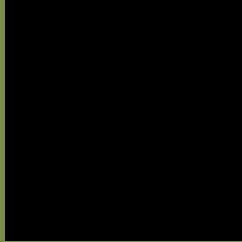
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4093, 0.3629, 0.4555

Background



This preview shows how black text looks on a background with the Yxy color 23.4093, 0.3629, 0.4555.



This preview shows how white text looks on a background with the Yxy color 23.4093, 0.3629, 0.4555.

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

23.4093, 0.3629, 0.4555

Protanopia

23.3955, 0.3996, 0.4356

Deuteranopia

23.3412, 0.4186, 0.4124



Tritanopia

23.3611, 0.3023, 0.3118

Trichromacy



Original Color

23.4093, 0.3629, 0.4555

Protanomaly

23.4413, 0.3850, 0.4433

Deuteranomaly

23.2663, 0.3978, 0.4278

Tritanomaly

23.2560, 0.3259, 0.3632

Monochromacy



Original Color

23.4093, 0.3629, 0.4555

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.9788, 0.3338, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4093, 0.3629, 0.4555 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(123, 140, 70)` looks like.

```
.text, #text, p{  
    color:rgb(123, 140, 70)  
}
```

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(123, 140, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 140, 70) }
```

Border

The CSS property to change the border of an element to Yxy 23.4093, 0.3629, 0.4555 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(123, 140, 70) }
```

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

```
.border{ border-color:rgb(123, 140, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 140, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 140, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 140, 70);  
box-shadow:4px 4px 4px 4px rgb(123, 140,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4093, 0.3629, 0.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 140, 70) }
```

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

```
.background{ background-color: rgb(123,  
140, 70) }
```

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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