

Converting Colors

$Y_{xy}(23.7392, 0.4657, 0.3602)$

Have a look what the booklet for
Yxy(23.7392, 0.4657, 0.3602)
contains.

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Color

Yxy(23.7353, 0.4649, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	C76D55
RGB	199, 109, 85
RGB Percent	78%, 43%, 33%
CMY	0.2196, 0.5725, 0.6668
CMYK	0.00, 0.45, 0.57, 0.22
HSL	13°, 50%, 56%
HSV	13°, 57%, 78%
XYZ	30.6600, 23.7353, 11.5544
YIQ	133.1740, 61.3440, 11.6160

Conversions

Conversions Part 2

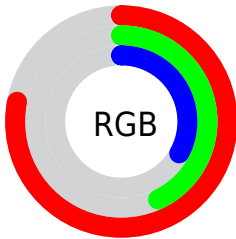
Format	Color
RYB	199, 115, 85
Decimal	13069653
CIELab	55.82, 33.33, 29.14
CIELCh	56, 44.278, 41.162
Yxy	23.7353, 0.4649, 0.3599
Android (android.graphics.Color)	4291259733 (0xFFC76D55)
YUV	133.1740, -23.7498, 57.7294
Hunter-Lab	48.7189, 27.0765, 20.0417

Details

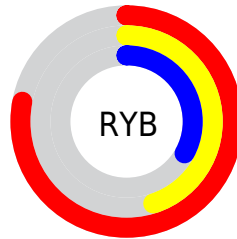
The Yxy color **23.7353, 0.4649, 0.3599** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **36.6983, 0.2338, 0.2921**, and the grayscale version is **23.5940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8499, 0.4283, 0.3575**, and **8.9371, 0.5204, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **20.4065, 0.5052, 0.3624**, and if you desaturate by 10%, it is **27.7541, 0.4277, 0.3555**.

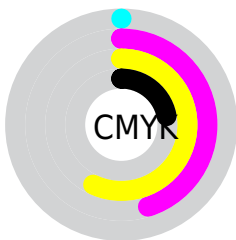
Distribution



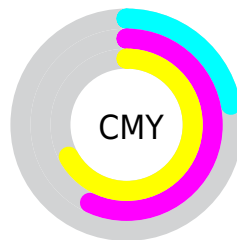
- Red (78%)
- Green (43%)
- Blue (33%)



- Red (78%)
- Yellow (45%)
- Blue (33%)



- Cyan (0%)
- Magenta (45%)
- Yellow (57%)
- Black (22%)





- Cyan (22%)
- Magenta (57%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7353, 0.4649, 0.3599 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 23.7353, 0.4649, 0.3599 by changing the saturation by 10% instead.


 23.7353, 0.4649,
0.3599


 23.7353, 0.4649,
0.3599


271.4795, 0.3802,
0.3478


 15.1374, 0.4885,
0.3608


 49.5979, 0.4322,
0.3568


 8.9159, 0.5197,
0.3603


 67.6314, 0.4205,
0.3552


 4.6863, 0.5624,
0.3557

 89.5788, 0.4108,
0.3537

 2.0644, 0.6461,
0.3539

 115.8246, 0.4027,
0.3523

 0.6445, 0.7092,
0.2908

 146.7532, 0.3958,
0.3510

 0.0000, 1.0000,
0.0000

182.7490, 0.3899,

 0.0000, 0.0000,

0.3498

0.0000

224.1963, 0.3848,
0.3488

■ 23.7353, 0.4649,
0.3599

■ 23.7353, 0.4649,
0.3599

■ 20.4065, 0.5052,
0.3624

■ 27.7541, 0.4277,
0.3555

■ 17.7246, 0.5458,
0.3620

■ 32.4957, 0.3951,
0.3500

■ 15.6469, 0.5822,
0.3580

■ 37.9948, 0.3673,
0.3442

■ 14.1223, 0.6100,
0.3507

■ 44.2830, 0.3440,
0.3384

■ 13.7938, 0.6164,
0.3488

■ 51.3901, 0.3247,
0.3328

■ 59.3442, 0.3087,
0.3276

■ 68.1722, 0.2954,
0.3229

■ 77.8997, 0.2843,
0.3186

■ 87.9531, 0.2796,
0.3240

Harmonies

Analogous

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



23.7353, 0.4287, 0.3042



23.7353, 0.4649, 0.3599



23.7353, 0.4528, 0.4160

Triad

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



23.7353, 0.4649, 0.3599



23.7353, 0.2595, 0.4223



23.7353, 0.2188, 0.2121

Complementary

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



23.7353, 0.4649, 0.3599



36.6983, 0.2338, 0.2921

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.



23.7353, 0.1860, 0.2255



23.7353, 0.4649, 0.3599



23.7353, 0.2058, 0.3407

Square

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



23.7353, 0.4649, 0.3599



23.7353, 0.3315, 0.4692



23.7353, 0.1811, 0.2682



23.7353, 0.2784, 0.2237

Rectangle

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



23.7353, 0.4649, 0.3599



23.7353, 0.4223, 0.4482



23.7353, 0.1811, 0.2682



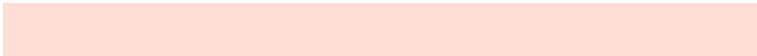
23.7353, 0.2048, 0.2136

Sweetspot

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



23.7365, 0.4649, 0.3599



77.5968, 0.3439, 0.3383



21.7769, 0.3466, 0.2178



16.1036, 0.3483, 0.3395



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.7365, 0.4649, 0.3599



34.3482, 0.5164, 0.3626



39.6316, 0.4176, 0.4287



10.9933, 0.3284, 0.3339



8.9748, 0.6142, 0.3505



0.5331, 0.5736, 0.3828

Inverse Universe

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



36.6983, 0.2338, 0.2921



58.9809, 0.2218, 0.2824



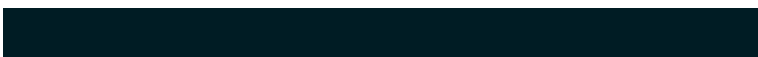
19.2904, 0.2139, 0.1996



11.6733, 0.2984, 0.3240



18.2990, 0.2057, 0.2604



0.9644, 0.2101, 0.2763

Previews

White Background



This preview shows how the Yxy color 23.7353, 0.4649, 0.3599 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 23.7353, 0.4649, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

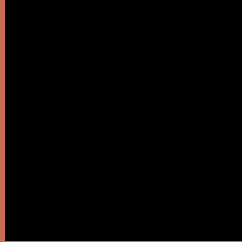
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7353, 0.4649, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 23.7353, 0.4649, 0.3599.



This preview shows how white text looks on a background with the Yxy color 23.7353, 0.4649, 0.3599.

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

23.7353, 0.4649, 0.3599

Protanopia

23.8962, 0.3685, 0.3954

Deuteranopia

23.8190, 0.4104, 0.4022



Tritanopia

23.7129, 0.4321, 0.3190

Trichromacy



Original Color

23.7353, 0.4649, 0.3599

Protanomaly

23.4219, 0.4037, 0.3822

Deuteranomaly

23.5140, 0.4312, 0.3860

Tritanomaly

23.5667, 0.4444, 0.3333

Monochromacy



Original Color

23.7353, 0.4649, 0.3599

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.8444, 0.3634, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7353, 0.4649, 0.3599 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(199, 109, 85)` looks like.

```
.text, #text, p{  
    color:rgb(199, 109, 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(199, 109, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 109, 85) }
```

Border

The CSS property to change the border of an element to Yxy 23.7353, 0.4649, 0.3599 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(199, 109, 85) }
```

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

```
.border{ border-color:rgb(199, 109, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 109, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 109, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 109, 85);  
box-shadow:4px 4px 4px 4px rgb(199, 109,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7353, 0.4649, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 109, 85) }
```

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

```
.background{ background-color: rgb(199,  
109, 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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