

Converting Colors

$Y_{xy}(23.7758, 0.3948, 0.4077)$

Have a look what the booklet for
Yxy(23.7758, 0.3948, 0.4077)
contains.

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Color

Yxy(23.7272, 0.3947, 0.4071)

Conversions

Conversions Part 1

Format	Color
Hex	9A8353
RGB	154, 131, 83
RGB Percent	60%, 51%, 33%
CMY	0.3961, 0.4863, 0.6745
CMYK	0.00, 0.15, 0.46, 0.40
HSL	41°, 30%, 46%
HSV	41°, 46%, 60%
XYZ	23.0045, 23.7272, 11.5518
YIQ	132.4050, 29.1160, -10.0520

Conversions

Conversions Part 2

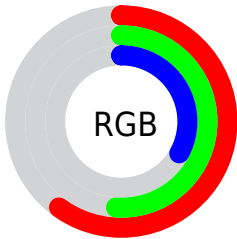
Format	Color
RYB	117, 154, 83
Decimal	10126163
CIELab	55.81, 2.06, 29.14
CIElCh	56, 29.209, 85.963
Yxy	23.7272, 0.3947, 0.4071
Android (android.graphics.Color)	4288316243 (0xFF9A8353)
YUV	132.4050, -24.3567, 18.9388
Hunter-Lab	48.7106, -0.9435, 20.0367

Details

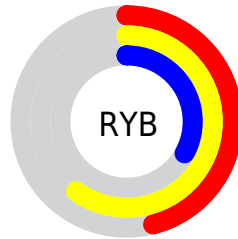
The Yxy color **23.7272, 0.3947, 0.4071** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.4813, 0.2361, 0.2349**, and the grayscale version is **23.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6761, 0.3779, 0.3915**, and **8.9287, 0.4232, 0.4342** is the 20% darker color. If you saturate the color by 10%, you get **22.2082, 0.4151, 0.4224**, and if you desaturate by 10%, it is **25.3658, 0.3747, 0.3903**.

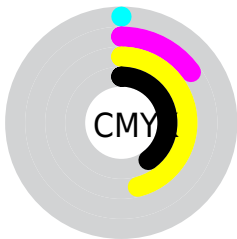
Distribution



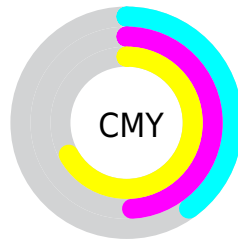
- Red (60%)
- Green (51%)
- Blue (33%)



- Red (46%)
- Yellow (60%)
- Blue (33%)



- Cyan (0%)
- Magenta (15%)
- Yellow (46%)
- Black (40%)



- Cyan (40%)
- Magenta (49%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7272, 0.3947, 0.4071 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 23.7272, 0.3947, 0.4071 by changing the saturation by 10% instead.

■ 23.7272, 0.3947,
0.4071

■ 23.7272, 0.3947,
0.4071

■ 271.4384, 0.3498,
0.3648

■ 15.1314, 0.4069,
0.4183

■ 49.5847, 0.3776,
0.3911

■ 8.9116, 0.4229,
0.4329

■ 67.6151, 0.3714,
0.3853

■ 4.6836, 0.4442,
0.4517

■ 89.5592, 0.3662,
0.3804

■ 2.0628, 0.4985,
0.5015

■ 115.8013, 0.3619,
0.3763

■ 0.6436, 0.5070,
0.4930

■ 146.7259, 0.3582,
0.3728

■ 0.0000, 0.0000,
0.0000

182.7174, 0.3550,

0.3698

224.1601, 0.3523,
0.3672

■ 23.7272, 0.3947,
0.4071

■ 23.7272, 0.3947,
0.4071

■ 22.2082, 0.4151,
0.4224

■ 25.3658, 0.3747,
0.3903

■ 20.8010, 0.4351,
0.4353

■ 27.1248, 0.3558,
0.3729

■ 19.5019, 0.4539,
0.4447

■ 29.0090, 0.3381,
0.3556

■ 18.3053, 0.4705,
0.4496

■ 31.0222, 0.3219,
0.3388

■ 17.2037, 0.4843,
0.4499

■ 33.1676, 0.3072,
0.3229

■ 16.7939, 0.4895,
0.4495

■ 35.4486, 0.2940,
0.3079

■ 37.8683, 0.2821,
0.2941

■ 40.4295, 0.2716,
0.2813

■ 43.1353, 0.2622,
0.2695

Harmonies

Analogous

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



23.7272, 0.4145, 0.3737



23.7272, 0.3947, 0.4071



23.7272, 0.3534, 0.4219

Triad

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



23.7272, 0.3947, 0.4071



23.7272, 0.2283, 0.3134



23.7272, 0.3159, 0.2652

Complementary

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



23.7272, 0.3947, 0.4071



14.4813, 0.2361, 0.2349

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.



23.7272, 0.2675, 0.2492



23.7272, 0.3947, 0.4071



23.7272, 0.2202, 0.2726

Square

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



23.7272, 0.3947, 0.4071



23.7272, 0.2577, 0.3647



23.7272, 0.2338, 0.2510



23.7272, 0.3674, 0.2951

Rectangle

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



23.7272, 0.3947, 0.4071



23.7272, 0.3200, 0.4156



23.7272, 0.2338, 0.2510



23.7272, 0.2987, 0.2581

Sweetspot

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



23.7283, 0.3947, 0.4071



53.3440, 0.3350, 0.3525



14.1122, 0.3912, 0.2897



11.9110, 0.3384, 0.3560



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.7283, 0.3947, 0.4071



40.3414, 0.4151, 0.4224



29.5022, 0.3660, 0.4443



6.8853, 0.3268, 0.3440



13.7488, 0.4888, 0.4501



0.2708, 0.4525, 0.4789

Inverse Universe

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



14.4813, 0.2361, 0.2349



21.5061, 0.2188, 0.2100



10.9448, 0.2410, 0.1936



6.3368, 0.2988, 0.3135



3.8108, 0.1637, 0.1093



0.1181, 0.1860, 0.1895

Previews

White Background



This preview shows how the Yxy color 23.7272, 0.3947, 0.4071 looks on a white background.

Color Contrast Check

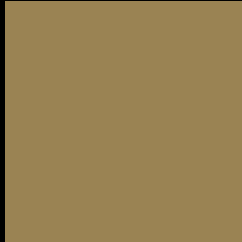
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7272, 0.3947, 0.4071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

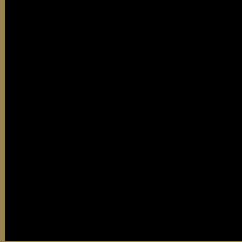
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7272, 0.3947, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 23.7272, 0.3947, 0.4071.



This preview shows how white text looks on a background with the Yxy color 23.7272, 0.3947, 0.4071.

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

23.7272, 0.3947, 0.4071

Protanopia

23.8013, 0.3816, 0.4132

Deuteranopia

23.7598, 0.4058, 0.3981



Tritanopia

23.7594, 0.3437, 0.3148

Trichromacy



Original Color

23.7272, 0.3947, 0.4071

Protanomaly

23.8047, 0.3860, 0.4105

Deuteranomaly

23.7115, 0.4013, 0.4007

Tritanomaly

23.5846, 0.3635, 0.3486

Monochromacy



Original Color

23.7272, 0.3947, 0.4071

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.2929, 0.3419, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7272, 0.3947, 0.4071 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(154, 131, 83)` looks like.

```
.text, #text, p{  
    color:rgb(154, 131, 83)  
}
```

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(154, 131, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 131, 83) }
```

Border

The CSS property to change the border of an element to Yxy 23.7272, 0.3947, 0.4071 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(154, 131, 83) }
```

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

```
.border{ border-color:rgb(154, 131, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 131, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 131, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 131, 83);  
box-shadow:4px 4px 4px 4px rgb(154, 131,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7272, 0.3947, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 131, 83) }
```

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

```
.background{ background-color: rgb(154,  
131, 83) }
```

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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