

Converting Colors

$Y_{xy}(20.1139, 0.3970, 0.3599)$

Have a look what the booklet for
Yxy(20.1139, 0.3970, 0.3599)
contains.

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Color

Yxy(20.1300, 0.3972, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	9E725F
RGB	158, 114, 95
RGB Percent	62%, 45%, 37%
CMY	0.3803, 0.5529, 0.6275
CMYK	0.00, 0.28, 0.40, 0.38
HSL	18°, 25%, 50%
HSV	18°, 40%, 62%
XYZ	22.1854, 20.1300, 13.5392
YIQ	124.9900, 32.3230, 3.4190

Conversions

Conversions Part 2

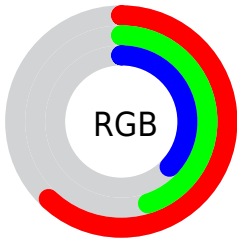
Format	Color
RYB	158, 122, 95
Decimal	10383967
CIELab	51.98, 14.82, 17.39
CIELCh	52, 22.848, 49.557
Yxy	20.1300, 0.3972, 0.3604
Android (android.graphics.Color)	4288574047 (0xFF9E725F)
YUV	124.9900, -14.7851, 28.9498
Hunter-Lab	44.8665, 9.7479, 13.5148

Details

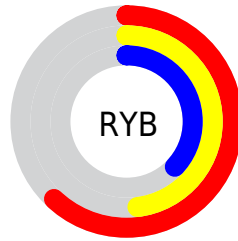
The Yxy color **20.1300, 0.3972, 0.3604** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.3683, 0.2538, 0.2947**, and the grayscale version is **20.5477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6439, 0.3774, 0.3538**, and **7.1214, 0.4317, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **17.5310, 0.4275, 0.3680**, and if you desaturate by 10%, it is **23.0896, 0.3707, 0.3523**.

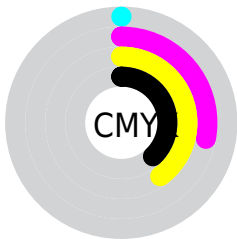
Distribution



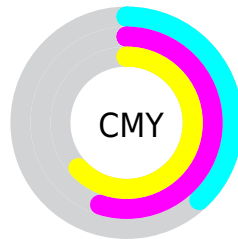
- Red (62%)
- Green (45%)
- Blue (37%)



- Red (62%)
- Yellow (48%)
- Blue (37%)



- Cyan (0%)
- Magenta (28%)
- Yellow (40%)
- Black (38%)





- Cyan (38%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1300, 0.3972, 0.3604 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 20.1300, 0.3972, 0.3604 by changing the saturation by 10% instead.


 20.1300, 0.3972,
0.3604


 20.1300, 0.3972,
0.3604


252.6180, 0.3487,
0.3440


 12.4896, 0.4118,
0.3645


 43.6350, 0.3779,
0.3544


 7.0780, 0.4323,
0.3695


 60.2684, 0.3711,
0.3521

 3.5109, 0.4627,
0.3754


 80.6683, 0.3657,
0.3502

 1.4039, 0.5364,
0.3986

 105.2190, 0.3611,
0.3486

 0.2196, 0.7221,
0.2779

134.3049, 0.3573,
0.3472

 0.0000, 0.0000,
0.0000

168.3104, 0.3540,

0.3460

207.6200, 0.3512,
0.3449

■ 20.1300, 0.3972,
0.3604

■ 20.1300, 0.3972,
0.3604

■ 17.5310, 0.4275,
0.3680

■ 23.0896, 0.3707,
0.3523

■ 15.2756, 0.4613,
0.3742

■ 26.4203, 0.3481,
0.3441

■ 13.3495, 0.4973,
0.3780

■ 30.1356, 0.3288,
0.3363

■ 11.7362, 0.5332,
0.3783

■ 34.2477, 0.3125,
0.3289

■ 10.4176, 0.5658,
0.3742

■ 38.7681, 0.2988,
0.3221

■ 9.3675, 0.5934,
0.3668

■ 43.7076, 0.2872,
0.3158

■ 9.3572, 0.5937,
0.3668

■ 49.0770, 0.2773,
0.3101

■ 54.8865, 0.2688,
0.3049

■ 61.1458, 0.2616,
0.3002

Harmonies

Analogous

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



20.1300, 0.3836, 0.3263



20.1300, 0.3972, 0.3604



20.1300, 0.3863, 0.3897

Triad

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



20.1300, 0.3972, 0.3604



20.1300, 0.2745, 0.3669



20.1300, 0.2679, 0.2609

Complementary

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



20.1300, 0.3972, 0.3604



23.3683, 0.2538, 0.2947

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.



20.1300, 0.2426, 0.2664



20.1300, 0.3972, 0.3604



20.1300, 0.2461, 0.3255

Square

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



20.1300, 0.3972, 0.3604



20.1300, 0.3143, 0.3973



20.1300, 0.2349, 0.2888



20.1300, 0.3065, 0.2713

Rectangle

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



20.1300, 0.3972, 0.3604



20.1300, 0.3674, 0.4019



20.1300, 0.2349, 0.2888



20.1300, 0.2577, 0.2609

Sweetspot

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



20.1310, 0.3972, 0.3604



53.0668, 0.3331, 0.3381



17.3201, 0.3423, 0.2593



11.7766, 0.3353, 0.3390



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.1310, 0.3972, 0.3604



32.2503, 0.4245, 0.3673



28.4735, 0.3778, 0.4082



6.9561, 0.3277, 0.3358



7.5548, 0.5922, 0.3680



0.2043, 0.5224, 0.4234

Inverse Universe

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



23.3683, 0.2538, 0.2947



38.9387, 0.2417, 0.2854



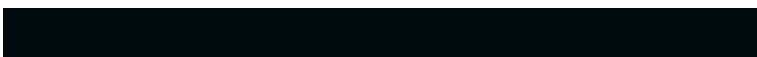
15.5408, 0.2447, 0.2346



7.1714, 0.2988, 0.3221



11.0395, 0.1972, 0.2297



0.2675, 0.2095, 0.2741

Previews

White Background



This preview shows how the Yxy color 20.1300, 0.3972, 0.3604 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 20.1300, 0.3972, 0.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

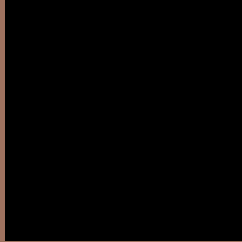
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1300, 0.3972, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 20.1300, 0.3972, 0.3604.



This preview shows how white text looks on a background with the Yxy color 20.1300, 0.3972, 0.3604.

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

20.1300, 0.3972, 0.3604

Protanopia

20.2409, 0.3508, 0.3733

Deuteranopia

20.1128, 0.3793, 0.3726



Tritanopia

20.1744, 0.3686, 0.3162

Trichromacy



Original Color

20.1300, 0.3972, 0.3604

Protanomaly

19.9775, 0.3670, 0.3683

Deuteranomaly

20.0148, 0.3858, 0.3684

Tritanomaly

20.0851, 0.3792, 0.3325

Monochromacy



Original Color

20.1300, 0.3972, 0.3604

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2080, 0.3413, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1300, 0.3972, 0.3604 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(158, 114, 95)` looks like.

```
.text, #text, p{  
    color:rgb(158, 114, 95)  
}
```

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(158, 114, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 114, 95) }
```

Border

The CSS property to change the border of an element to Yxy 20.1300, 0.3972, 0.3604 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(158, 114, 95) }
```

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

```
.border{ border-color:rgb(158, 114, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 114, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 114, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 114, 95);  
box-shadow:4px 4px 4px 4px rgb(158, 114,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1300, 0.3972, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 114, 95) }
```

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

```
.background{ background-color: rgb(158,  
114, 95) }
```

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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