

Converting Colors

$Y_{xy}(12.7609, 0.4491, 0.3406)$

Have a look what the booklet for
Yxy(12.7609, 0.4491, 0.3406)
contains.

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Color

Yxy(12.7977, 0.4487, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	975049
RGB	151, 80, 73
RGB Percent	59%, 31%, 29%
CMY	0.4078, 0.6863, 0.7137
CMYK	0.00, 0.47, 0.52, 0.41
HSL	5°, 35%, 44%
HSV	5°, 52%, 59%
XYZ	16.8347, 12.7977, 7.8865
YIQ	100.4310, 44.5630, 12.8750

Conversions

Conversions Part 2

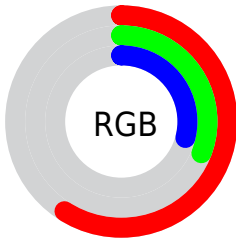
Format	Color
R_{YB}	151, 81, 73
Decimal	9916489
CIE Lab	42.46, 28.83, 17.42
CIE LCh	42, 33.682, 31.142
Yxy	12.7977, 0.4487, 0.3411
Android (android.graphics.Color)	4288106569 (0xFF975049)
YUV	100.4310, -13.5235, 44.3490
Hunter-Lab	35.7739, 21.3956, 11.9710

Details

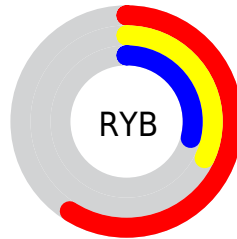
The Yxy color **12.7977, 0.4487, 0.3411** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.6001, 0.2448, 0.3156**, and the grayscale version is **12.8870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0476, 0.4131, 0.3408**, and **3.6085, 0.5181, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **10.8106, 0.4908, 0.3426**, and if you desaturate by 10%, it is **15.2466, 0.4115, 0.3390**.

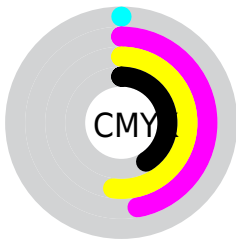
Distribution



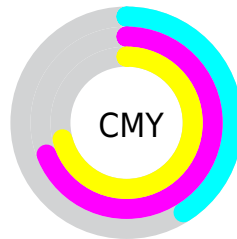
- Red (59%)
- Green (31%)
- Blue (29%)



- Red (59%)
- Yellow (32%)
- Blue (29%)



- Cyan (0%)
- Magenta (47%)
- Yellow (52%)
- Black (41%)





- Cyan (41%)
- Magenta (69%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7977, 0.4487, 0.3411 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 12.7977, 0.4487, 0.3411 by changing the saturation by 10% instead.


 12.7977, 0.4487,
0.3411

 12.7977, 0.4487,
0.3411


209.6171, 0.3657,
0.3371

 7.2894, 0.4764,
0.3400


 30.9399, 0.4139,
0.3407


 3.6437, 0.5170,
0.3362

 44.3425, 0.4024,
0.3402

 1.4763, 0.6003,
0.3353

 61.1454, 0.3931,
0.3396

 0.2720, 0.7807,
0.2193

 81.7329, 0.3856,
0.3391

 0.0000, 0.0000,
0.0000

 106.4894, 0.3794,
0.3385

135.7993, 0.3741,

0.3380

170.0471, 0.3696,
0.3376

■ 12.7977, 0.4487,
0.3411

■ 12.7977, 0.4487,
0.3411

■ 10.8106, 0.4908,
0.3426

■ 15.2466, 0.4115,
0.3390

■ 9.2545, 0.5352,
0.3429

■ 18.1816, 0.3800,
0.3365

■ 8.0978, 0.5774,
0.3416

■ 21.6278, 0.3540,
0.3340

■ 7.3039, 0.6112,
0.3386

■ 25.6080, 0.3326,
0.3316

■ 6.8820, 0.6317,
0.3366

■ 30.1435, 0.3153,
0.3294

■ 35.2546, 0.3011,
0.3273

■ 40.9603, 0.2895,
0.3254

■ 47.2791, 0.2799,
0.3237

■ 54.2283, 0.2720,
0.3222

Harmonies

Analogous

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



12.7977, 0.4011, 0.2897



12.7977, 0.4487, 0.3411



12.7977, 0.4529, 0.3950

Triad

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



12.7977, 0.4487, 0.3411



12.7977, 0.2849, 0.4354



12.7977, 0.2109, 0.2201

Complementary

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



12.7977, 0.4487, 0.3411



23.6001, 0.2448, 0.3156

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.



12.7977, 0.1884, 0.2421



12.7977, 0.4487, 0.3411



12.7977, 0.2265, 0.3665

Square

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



12.7977, 0.4487, 0.3411



12.7977, 0.3545, 0.4623



12.7977, 0.1932, 0.2927



12.7977, 0.2594, 0.2233

Rectangle

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



12.7977, 0.4487, 0.3411



12.7977, 0.4322, 0.4278



12.7977, 0.1932, 0.2927



12.7977, 0.2004, 0.2244

Sweetspot

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



12.7984, 0.4487, 0.3411



43.1462, 0.3399, 0.3325



13.3744, 0.3277, 0.2168



9.4907, 0.3440, 0.3330



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



12.7984, 0.4487, 0.3411



18.8670, 0.4977, 0.3427



20.1370, 0.4121, 0.4048



6.3074, 0.3281, 0.3311



5.8745, 0.6311, 0.3371



0.1085, 0.5924, 0.3679

Inverse Universe

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



23.6001, 0.2448, 0.3156



40.3592, 0.2344, 0.3121



13.8572, 0.2295, 0.2367



6.9318, 0.2989, 0.3269



17.2525, 0.2170, 0.3013



0.2819, 0.2207, 0.3146

Previews

White Background



This preview shows how the Yxy color 12.7977, 0.4487, 0.3411 looks on a white 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

Black Background



This preview shows how the Yxy color 12.7977, 0.4487, 0.3411 looks on a black 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

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

Yxy 12.7977, 0.4487, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 12.7977, 0.4487, 0.3411.



This preview shows how white text looks on a background with the Yxy color 12.7977, 0.4487, 0.3411.

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

12.7977, 0.4487, 0.3411

Protanopia

13.0424, 0.3483, 0.3712

Deuteranopia

12.8010, 0.3901, 0.3831



Tritanopia

12.7643, 0.4321, 0.3193

Trichromacy



Original Color

12.7977, 0.4487, 0.3411

Protanomaly

12.6042, 0.3832, 0.3579

Deuteranomaly

12.5926, 0.4115, 0.3661

Tritanomaly

12.8466, 0.4386, 0.3277

Monochromacy



Original Color

12.7977, 0.4487, 0.3411

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4888, 0.3590, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7977, 0.4487, 0.3411 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(151, 80, 73)` looks like.

```
.text, #text, p{  
  color:rgb(151, 80, 73)  
}
```

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(151, 80, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 80, 73) }
```

Border

The CSS property to change the border of an element to Yxy 12.7977, 0.4487, 0.3411 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(151, 80, 73) }
```

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

```
.border{ border-color:rgb(151, 80, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 80, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 80, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 80, 73);  
box-shadow:4px 4px 4px 4px rgb(151, 80,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7977, 0.4487, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 80, 73) }
```

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

```
.background{ background-color: rgb(151, 80,  
73) }
```

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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