

Converting Colors

$Y_{xy}(12.7627, 0.4937, 0.3311)$

Have a look what the booklet for
Yxy(12.7627, 0.4937, 0.3311)
contains.

Yxy(12.7550, 0.4934, 0.3309)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7550, 0.4934, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	A74443
RGB	167, 68, 67
RGB Percent	65%, 27%, 26%
CMY	0.3451, 0.7334, 0.7372
CMYK	0.00, 0.59, 0.60, 0.35
HSL	1°, 43%, 46%
HSV	1°, 60%, 65%
XYZ	19.0188, 12.7550, 6.7726
YIQ	97.4870, 59.3250, 20.6770

Conversions

Conversions Part 2

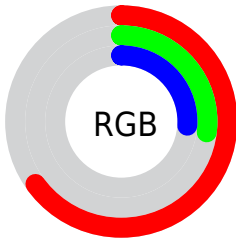
Format	Color
RYB	167, 68, 67
Decimal	10961987
CIELab	42.39, 40.76, 21.43
CIElCh	42, 46.052, 27.735
Yxy	12.7550, 0.4934, 0.3309
Android (android.graphics.Color)	4289152067 (0xFFA74443)
YUV	97.4870, -15.0301, 60.9629
Hunter-Lab	35.7141, 32.5565, 13.7565

Details

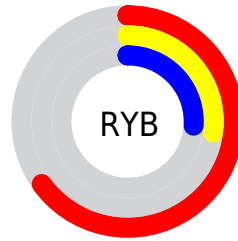
The Yxy color **12.7550, 0.4934, 0.3309** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **31.2696, 0.2399, 0.3271**, and the grayscale version is **12.1074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8395, 0.4475, 0.3352**, and **3.6050, 0.5787, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **10.8574, 0.5404, 0.3310**, and if you desaturate by 10%, it is **15.2760, 0.4489, 0.3306**.

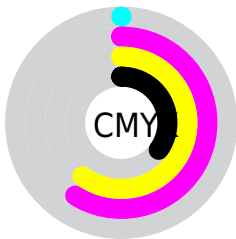
Distribution



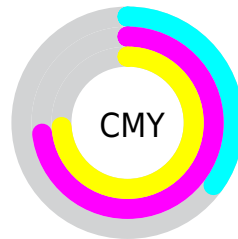
- Red (65%)
- Green (27%)
- Blue (26%)



- Red (65%)
- Yellow (27%)
- Blue (26%)



- Cyan (0%)
- Magenta (59%)
- Yellow (60%)
- Black (35%)





- Cyan (35%)
- Magenta (73%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7550, 0.4934, 0.3309 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 12.7550, 0.4934, 0.3309 by changing the saturation by 10% instead.


 12.7550, 0.4934,
0.3309


 12.7550, 0.4934,
0.3309


209.3415, 0.3837,
0.3354


 7.2601, 0.5288,
0.3257


 30.8629, 0.4479,
0.3349


 3.6253, 0.5792,
0.3148

 44.2447, 0.4326,
0.3355


 1.4662, 0.6925,
0.3075

 61.0242, 0.4203,
0.3358

 0.2648, 0.8324,
0.1676

 81.5858, 0.4103,
0.3359

 0.0000, 1.0000,
0.0000

 106.3140, 0.4020,
0.3359

 0.0000, 0.0000,
0.0000

135.5930, 0.3949,

0.3357

169.8074, 0.3889,
0.3356

■ 12.7550, 0.4934,
0.3309

■ 12.7550, 0.4934,
0.3309

■ 10.8574, 0.5404,
0.3310

■ 15.2760, 0.4489,
0.3306

■ 9.5272, 0.5844,
0.3310

■ 18.4660, 0.4100,
0.3303

■ 8.7019, 0.6180,
0.3307

■ 22.3688, 0.3775,
0.3300

■ 8.2571, 0.6390,
0.3306

■ 27.0238, 0.3510,
0.3296

■ 8.2520, 0.6393,
0.3306

■ 32.4676, 0.3296,
0.3293

■ 38.7343, 0.3125,
0.3290

■ 45.8561, 0.2988,
0.3287

■ 53.8636, 0.2876,
0.3285

■ 62.7855, 0.2786,
0.3283

Harmonies

Analogous

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



12.7550, 0.4226, 0.2687



12.7550, 0.4934, 0.3309



12.7550, 0.5012, 0.3987

Triad

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



12.7550, 0.4934, 0.3309



12.7550, 0.2808, 0.4892



12.7550, 0.1755, 0.1887

Complementary

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



12.7550, 0.4934, 0.3309



31.2696, 0.2399, 0.3271

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.



12.7550, 0.1517, 0.2173



12.7550, 0.4934, 0.3309



12.7550, 0.2034, 0.3922

Square

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



12.7550, 0.4934, 0.3309



12.7550, 0.3718, 0.5109



12.7550, 0.1597, 0.2855



12.7550, 0.2321, 0.1911

Rectangle

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



12.7550, 0.4934, 0.3309



12.7550, 0.4737, 0.4445



12.7550, 0.1597, 0.2855



12.7550, 0.1641, 0.1944

Sweetspot

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



12.7557, 0.4934, 0.3309



49.8040, 0.3474, 0.3296



15.0236, 0.3191, 0.1924



10.5746, 0.3540, 0.3297



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.7557, 0.4934, 0.3309



18.5154, 0.5562, 0.3310



21.3482, 0.4410, 0.4038



7.5536, 0.3285, 0.3293



6.3179, 0.6391, 0.3307



0.1573, 0.6349, 0.3341

Inverse Universe

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



31.2696, 0.2399, 0.3271



54.6958, 0.2315, 0.3267



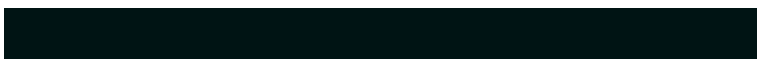
16.7104, 0.2195, 0.2343



8.5193, 0.2987, 0.3287



22.8339, 0.2239, 0.3258



0.5594, 0.2241, 0.3269

Previews

White Background



This preview shows how the Yxy color 12.7550, 0.4934, 0.3309 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 12.7550, 0.4934, 0.3309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

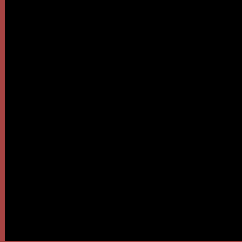
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7550, 0.4934, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 12.7550, 0.4934, 0.3309.



This preview shows how white text looks on a background with the Yxy color 12.7550, 0.4934, 0.3309.

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

12.7550, 0.4934, 0.3309

Protanopia

13.0272, 0.3498, 0.3734

Deuteranopia

12.8511, 0.4052, 0.3981



Tritanopia

12.6977, 0.4853, 0.3224

Trichromacy



Original Color

12.7550, 0.4934, 0.3309

Protanomaly

12.3337, 0.4009, 0.3549

Deuteranomaly

12.4290, 0.4381, 0.3695

Tritanomaly

12.6720, 0.4890, 0.3253

Monochromacy



Original Color

12.7550, 0.4934, 0.3309

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.4650, 0.3742, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7550, 0.4934, 0.3309 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(167, 68, 67)` looks like.

```
.text, #text, p{  
  color:rgb(167, 68, 67)  
}
```

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(167, 68, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 68, 67) }
```

Border

The CSS property to change the border of an element to Yxy 12.7550, 0.4934, 0.3309 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(167, 68, 67) }
```

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

```
.border{ border-color:rgb(167, 68, 67) }
```

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

Here you see how a box with a 4 pixel rgb(167, 68, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 68, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 68, 67);  
box-shadow:4px 4px 4px 4px rgb(167, 68,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7550, 0.4934, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 68, 67) }
```

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

```
.background{ background-color: rgb(167, 68,  
67) }
```

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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