

Converting Colors

$Y_{xy}(12.7364, 0.4875, 0.3485)$

Have a look what the booklet for
Yxy(12.7364, 0.4875, 0.3485)
contains.

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Color

Yxy(12.7081, 0.4883, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	A04A3D
RGB	160, 74, 61
RGB Percent	63%, 29%, 24%
CMY	0.3726, 0.7097, 0.7608
CMYK	0.00, 0.54, 0.62, 0.37
HSL	8°, 45%, 43%
HSV	8°, 62%, 63%
XYZ	17.7855, 12.7081, 5.9297
YIQ	98.2320, 55.4290, 14.1890

Conversions

Conversions Part 2

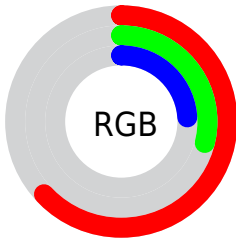
Format	Color
RYB	160, 76, 61
Decimal	10504765
CIELab	42.32, 34.61, 24.74
CIElCh	42, 42.542, 35.563
Yxy	12.7081, 0.4883, 0.3489
Android (android.graphics.Color)	4288694845 (0xFFA04A3D)
YUV	98.2320, -18.3554, 54.1705
Hunter-Lab	35.6484, 26.6715, 15.0917

Details

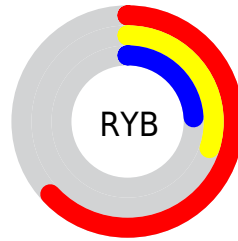
The Yxy color **12.7081, 0.4883, 0.3489** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.3836, 0.2335, 0.3046**, and the grayscale version is **12.3124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8314, 0.4442, 0.3484**, and **3.5805, 0.5712, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **10.9061, 0.5316, 0.3495**, and if you desaturate by 10%, it is **14.9726, 0.4473, 0.3467**.

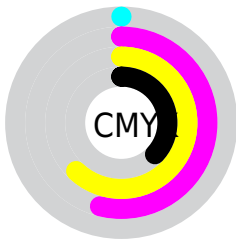
Distribution



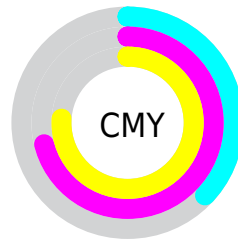
- Red (63%)
- Green (29%)
- Blue (24%)



- Red (63%)
- Yellow (30%)
- Blue (24%)



- Cyan (0%)
- Magenta (54%)
- Yellow (62%)
- Black (37%)





- Cyan (37%)
- Magenta (71%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7081, 0.4883, 0.3489 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 12.7081, 0.4883, 0.3489 by changing the saturation by 10% instead.


 12.7081, 0.4883,
0.3489


 12.7081, 0.4883,
0.3489


209.0384, 0.3818,
0.3430


 7.2279, 0.5224,
0.3465


 30.7784, 0.4443,
0.3488


 3.6050, 0.5704,
0.3392


 44.1372, 0.4294,
0.3480


 1.4552, 0.6677,
0.3323

 60.8910, 0.4175,
0.3471

 0.2568, 0.8126,
0.1874

 81.4241, 0.4077,
0.3462

 0.0000, 1.0000,
0.0000

 106.1210, 0.3996,
0.3453

 0.0000, 0.0000,
0.0000

 135.3661, 0.3928,

0.3445

169.5438, 0.3869,
0.3437

■ 12.7081, 0.4883,
0.3489

■ 12.7081, 0.4883,
0.3489

■ 10.9061, 0.5316,
0.3495

■ 14.9726, 0.4473,
0.3467

■ 9.5327, 0.5729,
0.3478

■ 17.7266, 0.4110,
0.3436

■ 8.5522, 0.6066,
0.3437

■ 20.9972, 0.3800,
0.3401

■ 8.0098, 0.6271,
0.3403

■ 24.8092, 0.3542,
0.3364

■ 29.1855, 0.3330,
0.3329

■ 34.1479, 0.3156,
0.3296

■ 39.7170, 0.3013,
0.3265

■ 45.9122, 0.2896,
0.3238

■ 52.7523, 0.2798,
0.3213

Harmonies

Analogous

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



12.7081, 0.4361, 0.2876



12.7081, 0.4883, 0.3489



12.7081, 0.4817, 0.4137

Triad

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



12.7081, 0.4883, 0.3489



12.7081, 0.2631, 0.4573



12.7081, 0.1948, 0.1952

Complementary

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



12.7081, 0.4883, 0.3489



24.3836, 0.2335, 0.3046

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.



12.7081, 0.1641, 0.2147



12.7081, 0.4883, 0.3489



12.7081, 0.1970, 0.3604

Square

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



12.7081, 0.4883, 0.3489



12.7081, 0.3476, 0.4991



12.7081, 0.1640, 0.2691



12.7081, 0.2569, 0.2039

Rectangle

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



12.7081, 0.4883, 0.3489



12.7081, 0.4495, 0.4548



12.7081, 0.1640, 0.2691



12.7081, 0.1812, 0.1983

Sweetspot

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



12.7088, 0.4883, 0.3489



46.9522, 0.3485, 0.3355



12.9606, 0.3362, 0.2023



9.8519, 0.3547, 0.3365



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.



12.7088, 0.4883, 0.3489



18.8346, 0.5468, 0.3491



21.7367, 0.4332, 0.4223



6.7799, 0.3281, 0.3320



6.2804, 0.6260, 0.3412



0.1478, 0.5763, 0.3806

Inverse Universe

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



24.3836, 0.2335, 0.3046



41.6867, 0.2234, 0.2984



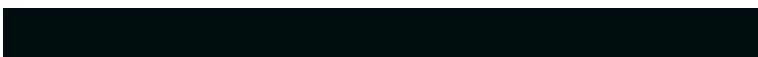
12.4418, 0.2116, 0.2069



7.3605, 0.2988, 0.3260



16.3952, 0.2133, 0.2877



0.3306, 0.2183, 0.3058

Previews

White Background



This preview shows how the Yxy color 12.7081, 0.4883, 0.3489 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 12.7081, 0.4883, 0.3489 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 12.7081, 0.4883, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 12.7081, 0.4883, 0.3489.



This preview shows how white text looks on a background with the Yxy color 12.7081, 0.4883, 0.3489.

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

12.7081, 0.4883, 0.3489

Protanopia

12.7574, 0.3662, 0.3933

Deuteranopia

12.8721, 0.4139, 0.4070



Tritanopia

12.7476, 0.4633, 0.3218

Trichromacy



Original Color

12.7081, 0.4883, 0.3489

Protanomaly

12.3994, 0.4106, 0.3769

Deuteranomaly

12.5192, 0.4421, 0.3842

Tritanomaly

12.7971, 0.4734, 0.3325

Monochromacy



Original Color

12.7081, 0.4883, 0.3489

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.8656, 0.3725, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7081, 0.4883, 0.3489 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(160, 74, 61)` looks like.

```
.text, #text, p{  
    color:rgb(160, 74, 61)  
}
```

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(160, 74, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 74, 61) }
```

Border

The CSS property to change the border of an element to Yxy 12.7081, 0.4883, 0.3489 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(160, 74, 61) }
```

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

```
.border{ border-color:rgb(160, 74, 61) }
```

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

Here you see how a box with a 4 pixel rgb(160, 74, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 74, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 74, 61);  
box-shadow:4px 4px 4px 4px rgb(160, 74,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7081, 0.4883, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 74, 61) }
```

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

```
.background{ background-color: rgb(160, 74,  
61) }
```

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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