

Converting Colors

$Y_{xy}(12.3089, 0.4760, 0.3533)$

Have a look what the booklet for
Yxy(12.3089, 0.4760, 0.3533)
contains.

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Color

Yxy(12.2781, 0.4766, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	994C3D
RGB	153, 76, 61
RGB Percent	60%, 30%, 24%
CMY	0.4000, 0.7019, 0.7608
CMYK	0.00, 0.50, 0.60, 0.40
HSL	10°, 43%, 42%
HSV	10°, 60%, 60%
XYZ	16.5631, 12.2781, 5.9114
YIQ	97.3130, 50.7070, 11.6590

Conversions

Conversions Part 2

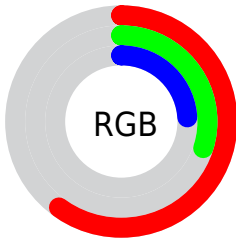
Format	Color
R_{YB}	153, 79, 61
Decimal	10046525
CIE Lab	41.65, 30.77, 23.67
CIE LCh	42, 38.821, 37.577
Yxy	12.2781, 0.4766, 0.3533
Android (android.graphics.Color)	4288236605 (0xFF994C3D)
YUV	97.3130, -17.9023, 48.8375
Hunter-Lab	35.0401, 23.0549, 14.5256

Details

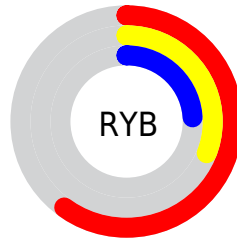
The Yxy color **12.2781, 0.4766, 0.3533** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.4651, 0.2340, 0.2997**, and the grayscale version is **12.0712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1318, 0.4344, 0.3517**, and **3.4156, 0.5558, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **10.5445, 0.5183, 0.3546**, and if you desaturate by 10%, it is **14.4112, 0.4377, 0.3503**.

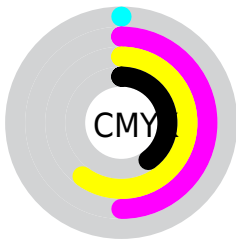
Distribution



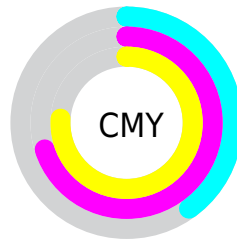
- Red (60%)
- Green (30%)
- Blue (24%)



- Red (60%)
- Yellow (31%)
- Blue (24%)



- Cyan (0%)
- Magenta (50%)
- Yellow (60%)
- Black (40%)





- Cyan (40%)
- Magenta (70%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2781, 0.4766, 0.3533 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 12.2781, 0.4766, 0.3533 by changing the saturation by 10% instead.


 12.2781, 0.4766,
0.3533

 12.2781, 0.4766,
0.3533


206.2378, 0.3766,
0.3439


 6.9334, 0.5092,
0.3524


 30.0006, 0.4350,
0.3515


 3.4205, 0.5557,
0.3473

 43.1472, 0.4210,
0.3502


 1.3550, 0.6543,
0.3457


 59.6631, 0.4099,
0.3490

 0.1832, 0.8351,
0.1649

 79.9329, 0.4008,
0.3478

 0.0000, 0.0000,
0.0000

 104.3408, 0.3932,
0.3467

 133.2714, 0.3868,

0.3457

167.1089, 0.3814,
0.3448

■ 12.2781, 0.4766,
0.3533

■ 12.2781, 0.4766,
0.3533

■ 10.5445, 0.5183,
0.3546

■ 14.4112, 0.4377,
0.3503

■ 9.1833, 0.5594,
0.3535

■ 16.9648, 0.4034,
0.3463

■ 8.1673, 0.5949,
0.3495

■ 19.9605, 0.3742,
0.3418

■ 7.4656, 0.6219,
0.3444

■ 23.4180, 0.3498,
0.3374

■ 27.3559, 0.3296,
0.3331

■ 31.7915, 0.3129,
0.3291

■ 36.7415, 0.2992,
0.3254

■ 42.2218, 0.2877,
0.3220

■ 48.2473, 0.2782,
0.3189

Harmonies

Analogous

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



12.2781, 0.4314, 0.2947



12.2781, 0.4766, 0.3533



12.2781, 0.4682, 0.4141

Triad

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



12.2781, 0.4766, 0.3533



12.2781, 0.2627, 0.4412



12.2781, 0.2055, 0.2034

Complementary

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



12.2781, 0.4766, 0.3533



21.4651, 0.2340, 0.2997

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.



12.2781, 0.1743, 0.2205



12.2781, 0.4766, 0.3533



12.2781, 0.2021, 0.3522

Square

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



12.2781, 0.4766, 0.3533



12.2781, 0.3413, 0.4849



12.2781, 0.1725, 0.2698



12.2781, 0.2661, 0.2130

Rectangle

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



12.2781, 0.4766, 0.3533



12.2781, 0.4374, 0.4512



12.2781, 0.1725, 0.2698



12.2781, 0.1918, 0.2059

Sweetspot

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



12.2788, 0.4766, 0.3533



43.1295, 0.3459, 0.3366



11.9791, 0.3403, 0.2093



9.1278, 0.3518, 0.3378



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.



12.2788, 0.4766, 0.3533



18.0110, 0.5322, 0.3546



20.7343, 0.4256, 0.4245



6.3775, 0.3279, 0.3327



6.2053, 0.6209, 0.3452



0.1288, 0.5622, 0.3918

Inverse Universe

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



21.4651, 0.2340, 0.2997



35.8197, 0.2230, 0.2921



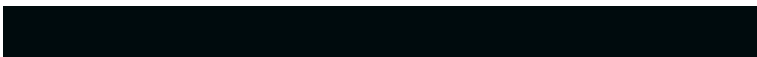
11.1552, 0.2132, 0.2049



6.8549, 0.2989, 0.3253



14.7095, 0.2104, 0.2774



0.2603, 0.2174, 0.3026

Previews

White Background



This preview shows how the Yxy color 12.2781, 0.4766, 0.3533 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 12.2781, 0.4766, 0.3533 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 12.2781, 0.4766, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 12.2781, 0.4766, 0.3533.



This preview shows how white text looks on a background with the Yxy color 12.2781, 0.4766, 0.3533.

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

12.2781, 0.4766, 0.3533

Protanopia

12.4917, 0.3667, 0.3939

Deuteranopia

12.3040, 0.4098, 0.4030



Tritanopia

12.3321, 0.4477, 0.3212

Trichromacy



Original Color

12.2781, 0.4766, 0.3533

Protanomaly

12.1725, 0.4057, 0.3779

Deuteranomaly

12.0377, 0.4355, 0.3823

Tritanomaly

12.3701, 0.4597, 0.3343

Monochromacy



Original Color

12.2781, 0.4766, 0.3533

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5668, 0.3675, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2781, 0.4766, 0.3533 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(153, 76, 61)` looks like.

```
.text, #text, p{  
    color:rgb(153, 76, 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(153, 76, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 76, 61) }
```

Border

The CSS property to change the border of an element to Yxy 12.2781, 0.4766, 0.3533 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(153, 76, 61) }
```

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

```
.border{ border-color:rgb(153, 76, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 76, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 76, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 76, 61);  
box-shadow:4px 4px 4px 4px rgb(153, 76,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2781, 0.4766, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 76, 61) }
```

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

```
.background{ background-color: rgb(153, 76,  
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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