

Converting Colors

$Y_{xy}(12.0580, 0.4383, 0.2797)$

Have a look what the booklet for
Yxy(12.0580, 0.4383, 0.2797)
contains.

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Color

Yxy(12.0580, 0.4383, 0.2797)

Conversions

Conversions Part 1

Format	Color
Hex	A33E5F
RGB	163, 62, 95
RGB Percent	64%, 24%, 37%
CMY	0.3607, 0.7569, 0.6275
CMYK	0.00, 0.62, 0.42, 0.36
HSL	340°, 45%, 44%
HSV	340°, 62%, 64%
XYZ	18.8953, 12.0580, 12.1572
YIQ	95.9610, 49.6030, 31.6750

Conversions

Conversions Part 2

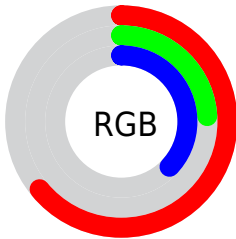
Format	Color
R_{YB}	163, 62, 95
Decimal	10698335
CIE _{Lab}	41.31, 44.80, 2.50
CIE _{LCh}	41, 44.868, 3.195
Yxy	12.0580, 0.4383, 0.2797
Android (android.graphics.Color)	4288888415 (0xFFA33E5F)
YUV	95.9610, -0.4738, 58.7932
Hunter-Lab	34.7246, 36.3622, 3.5497

Details

The Yxy color **12.0580, 0.4383, 0.2797** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **28.8371, 0.2596, 0.3916**, and the grayscale version is **11.6787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6780, 0.4062, 0.2936**, and **3.3476, 0.5025, 0.2542** is the 20% darker color. If you saturate the color by 10%, you get **10.3585, 0.4714, 0.2763**, and if you desaturate by 10%, it is **14.3186, 0.4084, 0.2859**.

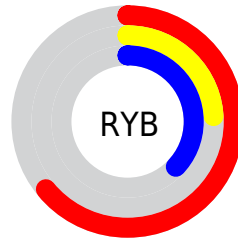
Distribution



Red (64%)

Green (24%)

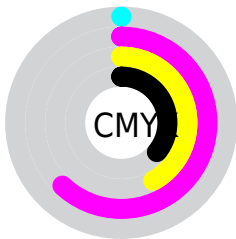
Blue (37%)



Red (64%)

Yellow (24%)

Blue (37%)

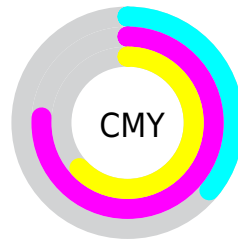


Cyan (0%)

Magenta (62%)

Yellow (42%)

Black (36%)



Cyan (36%)


Magenta (76%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0580, 0.4383, 0.2797 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 12.0580, 0.4383, 0.2797 by changing the saturation by 10% instead.


 12.0580, 0.4383,
0.2797


 12.0580, 0.4383,
0.2797


204.7889, 0.3618,
0.3103


 6.7832, 0.4641,
0.2691


 29.6007, 0.4062,
0.2927


 3.3269, 0.5025,
0.2530

 42.6374, 0.3955,
0.2970


 1.3047, 0.5652,
0.2260

 59.0301, 0.3870,
0.3003

 0.1448, 0.8994,
0.1006

 79.1634, 0.3801,
0.3031

 0.0000, 1.0000,
0.0000

 103.4215, 0.3744,
0.3053

 0.0000, 0.0000,
0.0000

132.1888, 0.3695,

0.3072

165.8498, 0.3654,
0.3089

■ 12.0580, 0.4383,
0.2797

■ 12.0580, 0.4383,
0.2797

■ 10.3585, 0.4714,
0.2763

■ 14.3186, 0.4084,
0.2859

■ 9.1679, 0.5060,
0.2768

■ 17.1827, 0.3824,
0.2937

■ 8.4271, 0.5394,
0.2819

■ 20.6907, 0.3604,
0.3023

■ 8.0481, 0.5642,
0.2882

■ 24.8790, 0.3422,
0.3110

■ 29.7811, 0.3272,
0.3195

■ 35.4286, 0.3149,
0.3275

■ 41.8508, 0.3048,
0.3349

■ 49.0758, 0.2965,
0.3418

■ 57.1300, 0.2897,
0.3481

Harmonies

Analogous

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



12.0580, 0.3394, 0.2275



12.0580, 0.4383, 0.2797



12.0580, 0.4985, 0.3431

Triad

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



12.0580, 0.4383, 0.2797



12.0580, 0.3553, 0.5119



12.0580, 0.1546, 0.2102

Complementary

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



12.0580, 0.4383, 0.2797



28.8371, 0.2596, 0.3916

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.



12.0580, 0.1567, 0.2703



12.0580, 0.4383, 0.2797



12.0580, 0.2654, 0.4747

Square

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



12.0580, 0.4383, 0.2797



12.0580, 0.4391, 0.4763



12.0580, 0.1935, 0.3710



12.0580, 0.1841, 0.1879

Rectangle

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



12.0580, 0.4383, 0.2797



12.0580, 0.5029, 0.3881



12.0580, 0.1935, 0.3710



12.0580, 0.1517, 0.2256

Sweetspot

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



12.0586, 0.4383, 0.2797



46.7210, 0.3380, 0.3132



10.7829, 0.2723, 0.1684



9.9843, 0.3424, 0.3109



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.0586, 0.4383, 0.2797



17.7250, 0.4831, 0.2760



13.7032, 0.4851, 0.3543



7.1223, 0.3236, 0.3217



6.2608, 0.5618, 0.2868



0.1399, 0.4656, 0.2339

Inverse Universe

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



12.0586, 0.4383, 0.2797



17.7250, 0.4831, 0.2760



24.2824, 0.2319, 0.2978



7.1223, 0.3236, 0.3217



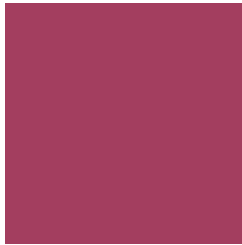
6.2608, 0.5618, 0.2868



0.1399, 0.4656, 0.2339

Previews

White Background



This preview shows how the Yxy color 12.0580, 0.4383, 0.2797 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 12.0580, 0.4383, 0.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

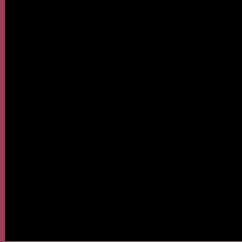
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0580, 0.4383, 0.2797

Background



This preview shows how black text looks on a background with the Yxy color 12.0580, 0.4383, 0.2797.



This preview shows how white text looks on a background with the Yxy color 12.0580, 0.4383, 0.2797.

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

12.0580, 0.4383, 0.2797

Protanopia

12.2432, 0.2849, 0.2872

Deuteranopia

12.3021, 0.3453, 0.3400



Tritanopia

12.0463, 0.4792, 0.3235

Trichromacy



Original Color

12.0580, 0.4383, 0.2797

Protanomaly

11.4164, 0.3346, 0.2804

Deuteranomaly

11.7050, 0.3788, 0.3115

Tritanomaly

12.0412, 0.4649, 0.3069

Monochromacy



Original Color

12.0580, 0.4383, 0.2797

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.1782, 0.3546, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0580, 0.4383, 0.2797 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(163, 62, 95)` looks like.

```
.text, #text, p{  
    color:rgb(163, 62, 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(163, 62, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 62, 95) }
```

Border

The CSS property to change the border of an element to Yxy 12.0580, 0.4383, 0.2797 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(163, 62, 95) }
```

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

```
.border{ border-color:rgb(163, 62, 95) }
```

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

Here you see how a box with a 4 pixel rgb(163, 62, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 62, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 62, 95);  
box-shadow:4px 4px 4px 4px rgb(163, 62,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0580, 0.4383, 0.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 62, 95) }
```

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

```
.background{ background-color: rgb(163, 62,  
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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