

Converting Colors

$Y_{xy}(12.5296, 0.4504, 0.3087)$

Have a look what the booklet for
Yxy(12.5296, 0.4504, 0.3087)
contains.

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Color

Yxy(12.4940, 0.4502, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	A04654
RGB	160, 70, 84
RGB Percent	63%, 27%, 33%
CMY	0.3726, 0.7254, 0.6705
CMYK	0.00, 0.56, 0.47, 0.37
HSL	351°, 39%, 45%
HSV	351°, 56%, 63%
XYZ	18.2861, 12.4940, 9.8376
YIQ	98.5060, 49.1460, 23.4340

Conversions

Conversions Part 2

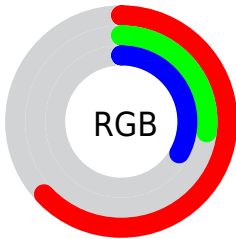
Format	Color
RYB	160, 70, 84
Decimal	10503764
CIELab	41.99, 38.69, 10.24
CIELCh	42, 40.017, 14.826
Yxy	12.4940, 0.4502, 0.3076
Android (android.graphics.Color)	4288693844 (0xFFA04654)
YUV	98.5060, -7.1515, 53.9302
Hunter-Lab	35.3469, 30.4869, 8.2414

Details

The Yxy color **12.4940, 0.4502, 0.3076** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.5148, 0.2522, 0.3546**, and the grayscale version is **12.3572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2736, 0.4157, 0.3147**, and **3.4904, 0.5217, 0.2902** is the 20% darker color. If you saturate the color by 10%, you get **10.5606, 0.4906, 0.3059**, and if you desaturate by 10%, it is **15.0028, 0.4143, 0.3107**.

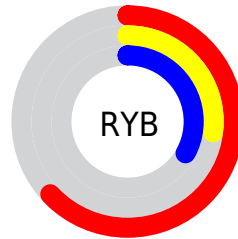
Distribution



Red (63%)

Green (27%)

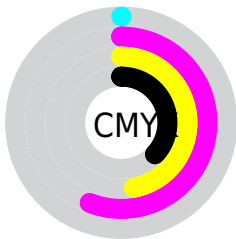
Blue (33%)



Red (63%)

Yellow (27%)

Blue (33%)

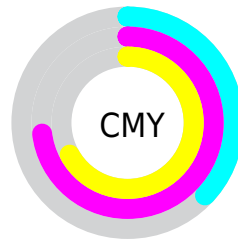


Cyan (0%)

Magenta (56%)

Yellow (47%)

Black (37%)



Cyan (37%)


Magenta (73%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4940, 0.4502, 0.3076 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 12.4940, 0.4502, 0.3076 by changing the saturation by 10% instead.

 12.4940, 0.4502,
0.3076


 12.4940, 0.4502,
0.3076


207.6488, 0.3662,
0.3229


 7.0811, 0.4785,
0.3010


 30.3917, 0.4149,
0.3148


 3.5128, 0.5206,
0.2899

 43.6452, 0.4032,
0.3170

 1.4050, 0.5903,
0.2697

 60.2811, 0.3939,
0.3186

 0.2204, 0.8442,
0.1558

 80.6836, 0.3863,
0.3198

 0.0000, 1.0000,
0.0000

 105.2373, 0.3800,
0.3208

 0.0000, 0.0000,
0.0000

134.3264, 0.3746,

0.3217

168.3355, 0.3701,
0.3223

■ 12.4940, 0.4502,
0.3076

■ 12.4940, 0.4502,
0.3076

■ 10.5606, 0.4906,
0.3059

■ 15.0028, 0.4143,
0.3107

■ 9.1549, 0.5330,
0.3064

■ 18.1257, 0.3838,
0.3145

■ 8.2248, 0.5731,
0.3096

■ 21.9006, 0.3586,
0.3187

■ 7.6965, 0.6057,
0.3151

■ 26.3615, 0.3381,
0.3228

■ 7.5420, 0.6162,
0.3168

■ 31.5401, 0.3214,
0.3267

■ 37.4663, 0.3080,
0.3303

■ 44.1681, 0.2970,
0.3337

■ 51.6721, 0.2881,
0.3367

■ 60.0037, 0.2808,
0.3395

Harmonies

Analogous

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



12.4940, 0.3721, 0.2544



12.4940, 0.4502, 0.3076



12.4940, 0.4834, 0.3683

Triad

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



12.4940, 0.4502, 0.3076



12.4940, 0.3216, 0.4846



12.4940, 0.1765, 0.2111

Complementary

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



12.4940, 0.4502, 0.3076



28.5148, 0.2522, 0.3546

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.



12.4940, 0.1673, 0.2527



12.4940, 0.4502, 0.3076



12.4940, 0.2439, 0.4245

Square

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



12.4940, 0.4502, 0.3076



12.4940, 0.4013, 0.4786



12.4940, 0.1892, 0.3297



12.4940, 0.2154, 0.2009

Rectangle

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



12.4940, 0.4502, 0.3076



12.4940, 0.4745, 0.4097



12.4940, 0.1892, 0.3297



12.4940, 0.1701, 0.2212

Sweetspot

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



12.4947, 0.4502, 0.3076



46.9276, 0.3401, 0.3223



12.9387, 0.2979, 0.1907



9.9474, 0.3437, 0.3216



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.



12.4947, 0.4502, 0.3076



18.5784, 0.4993, 0.3058



17.0300, 0.4459, 0.3767



6.6621, 0.3261, 0.3255



5.8806, 0.6143, 0.3158



0.1093, 0.5342, 0.2717

Inverse Universe

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



12.4947, 0.4502, 0.3076



18.5784, 0.4993, 0.3058



19.8045, 0.2314, 0.2719



6.6621, 0.3261, 0.3255



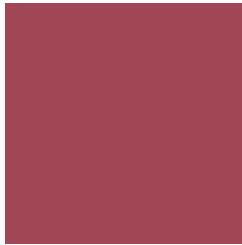
5.8806, 0.6143, 0.3158



0.1093, 0.5342, 0.2717

Previews

White Background



This preview shows how the Yxy color 12.4940, 0.4502, 0.3076 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 12.4940, 0.4502, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

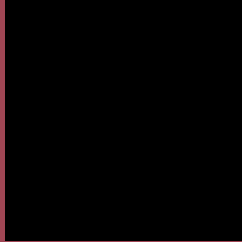
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4940, 0.4502, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 12.4940, 0.4502, 0.3076.



This preview shows how white text looks on a background with the Yxy color 12.4940, 0.4502, 0.3076.

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

12.4940, 0.4502, 0.3076

Protanopia

12.6493, 0.3172, 0.3290

Deuteranopia

12.6579, 0.3683, 0.3632



Tritanopia

12.3992, 0.4632, 0.3217

Trichromacy



Original Color

12.4940, 0.4502, 0.3076

Protanomaly

11.9986, 0.3613, 0.3169

Deuteranomaly

12.3160, 0.3988, 0.3409

Tritanomaly

12.4419, 0.4576, 0.3169

Monochromacy



Original Color

12.4940, 0.4502, 0.3076

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.8525, 0.3580, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4940, 0.4502, 0.3076 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, 70, 84)` looks like.

```
.text, #text, p{  
  color:rgb(160, 70, 84)  
}
```

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, 70, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 70, 84) }
```

Border

The CSS property to change the border of an element to Yxy 12.4940, 0.4502, 0.3076 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, 70, 84) }
```

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

```
.border{ border-color:rgb(160, 70, 84) }
```

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

Here you see how a box with a 4 pixel rgb(160, 70, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 70, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 70, 84);  
box-shadow:4px 4px 4px 4px rgb(160, 70,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4940, 0.4502, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 70, 84) }
```

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

```
.background{ background-color: rgb(160, 70,  
84) }
```

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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