

Converting Colors

$Y_{xy}(12.2974, 0.3158, 0.4187)$

Have a look what the booklet for
Yxy(12.2974, 0.3158, 0.4187)
contains.

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Color

Yxy(12.2995, 0.3152, 0.4181)

Conversions

Conversions Part 1

Format	Color
Hex	4C6A47
RGB	76, 106, 71
RGB Percent	30%, 42%, 28%
CMY	0.7019, 0.5843, 0.7216
CMYK	0.28, 0.00, 0.33, 0.58
HSL	111°, 20%, 35%
HSV	111°, 33%, 42%
XYZ	9.2724, 12.2995, 7.8457
YIQ	93.0400, -6.6450, -17.2450

Conversions

Conversions Part 2

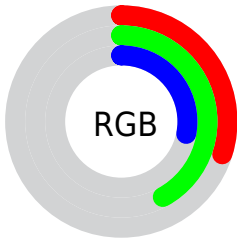
Format	Color
RYB	71, 106, 101
Decimal	5007943
CIELab	41.69, -18.48, 16.24
CIELCh	42, 24.602, 138.700
Yxy	12.2995, 0.3152, 0.4181
Android (android.graphics.Color)	4283198023 (0xFF4C6A47)
YUV	93.0400, -10.8657, -14.9441
Hunter-Lab	35.0706, -14.1795, 11.2856

Details

The Yxy color **12.2995, 0.3152, 0.4181** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.3123, 0.3075, 0.2501**, and the grayscale version is **10.9839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9056, 0.3155, 0.3923**, and **3.3813, 0.3120, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **11.8295, 0.3153, 0.4499**, and if you desaturate by 10%, it is **12.8469, 0.3147, 0.3882**.

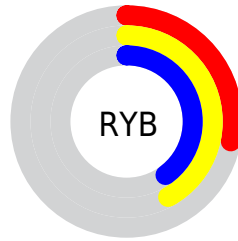
Distribution



Red (30%)

Green (42%)

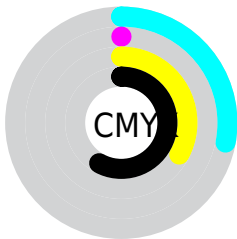
Blue (28%)



Red (28%)

Yellow (42%)

Blue (40%)

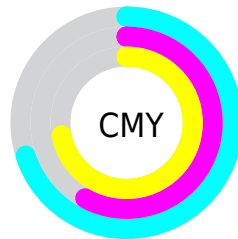


Cyan (28%)

Magenta (0%)

Yellow (33%)

Black (58%)



Cyan (70%)


Magenta (58%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2995, 0.3152, 0.4181 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 12.2995, 0.3152, 0.4181 by changing the saturation by 10% instead.


 12.2995, 0.3152,
0.4181


 12.2995, 0.3152,
0.4181


206.3781, 0.3148,
0.3618

 6.9480, 0.3143,
0.4388


 30.0394, 0.3155,
0.3936


 3.4296, 0.3119,
0.4714

 43.1966, 0.3155,
0.3858


 1.3599, 0.3228,
0.5637

 59.7245, 0.3154,
0.3796

 0.1869, 0.0000,
1.0000

 80.0075, 0.3153,
0.3747

 0.0000, 0.0000,
0.0000

 104.4299, 0.3152,
0.3706

133.3763, 0.3150,

0.3672

167.2308, 0.3149,
0.3643

■ 12.2995, 0.3152,
0.4181

■ 12.2995, 0.3152,
0.4181

■ 11.8295, 0.3153,
0.4499

■ 12.8469, 0.3147,
0.3882

■ 11.4317, 0.3148,
0.4823

■ 13.4732, 0.3140,
0.3607

■ 11.1032, 0.3138,
0.5139


■ 14.1820, 0.3130,
0.3359


■ 10.8398, 0.3121,
0.5427


■ 14.9762, 0.3120,
0.3139


■ 10.6371, 0.3098,
0.5666


■ 15.8584, 0.3108,
0.2945


 10.4896, 0.3072,
0.5843

 16.8313, 0.3097,
0.2775

 10.4113, 0.3061,
0.5952

 17.8974, 0.3086,
0.2627

 19.0591, 0.3075,
0.2497

 20.3187, 0.3064,
0.2383

Harmonies

Analogous

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



12.2995, 0.3669, 0.4252



12.2995, 0.3152, 0.4181



12.2995, 0.2653, 0.3791

Triad

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



12.2995, 0.3152, 0.4181



12.2995, 0.2249, 0.2509



12.2995, 0.4020, 0.3233

Complementary

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



12.2995, 0.3152, 0.4181



8.3123, 0.3075, 0.2501

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.



12.2995, 0.3575, 0.2849



12.2995, 0.3152, 0.4181



12.2995, 0.2551, 0.2444

Square

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



12.2995, 0.3152, 0.4181



12.2995, 0.2161, 0.2784



12.2995, 0.3028, 0.2569



12.2995, 0.4199, 0.3654

Rectangle

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



12.2995, 0.3152, 0.4181



12.2995, 0.2396, 0.3432



12.2995, 0.3028, 0.2569



12.2995, 0.3895, 0.3097

Sweetspot

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



12.3000, 0.3152, 0.4181



23.9727, 0.3137, 0.3536



12.7779, 0.3626, 0.3956



5.5871, 0.3138, 0.3562



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.3000, 0.3152, 0.4181



20.9092, 0.3153, 0.4437



12.2759, 0.2940, 0.3871



3.4637, 0.3136, 0.3503



12.9100, 0.3056, 0.5956



65.5427, 0.3034, 0.5973

Inverse Universe

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



8.3123, 0.3075, 0.2501



12.6853, 0.3056, 0.2307



8.3738, 0.3381, 0.2774



3.1430, 0.3117, 0.3083



4.0287, 0.2864, 0.1351



20.2404, 0.2843, 0.1340

Previews

White Background



This preview shows how the Yxy color 12.2995, 0.3152, 0.4181 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 12.2995, 0.3152, 0.4181 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 12.2995, 0.3152, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 12.2995, 0.3152, 0.4181.



This preview shows how white text looks on a background with the Yxy color 12.2995, 0.3152, 0.4181.

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

12.2995, 0.3152, 0.4181

Protanopia

12.2169, 0.3687, 0.3966

Deuteranopia

12.2128, 0.3789, 0.3720



Tritanopia

12.2505, 0.2781, 0.3103

Trichromacy



Original Color

12.2995, 0.3152, 0.4181

Protanomaly

12.1699, 0.3477, 0.4050

Deuteranomaly

11.9831, 0.3533, 0.3871

Tritanomaly

12.2322, 0.2912, 0.3484

Monochromacy



Original Color

12.2995, 0.3152, 0.4181

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.4175, 0.3142, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2995, 0.3152, 0.4181 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(76, 106, 71)` looks like.

```
.text, #text, p{  
    color:rgb(76, 106, 71)  
}
```

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(76, 106, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 106, 71) }
```

Border

The CSS property to change the border of an element to Yxy 12.2995, 0.3152, 0.4181 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(76, 106, 71) }
```

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

```
.border{ border-color:rgb(76, 106, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 106, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 106, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 106, 71);  
box-shadow:4px 4px 4px 4px rgb(76, 106,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2995, 0.3152, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 106, 71) }
```

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

```
.background{ background-color: rgb(76, 106,  
71) }
```

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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