

Converting Colors

$Y_{xy}(12.1378, 0.2546, 0.4365)$

Have a look what the booklet for
Yxy(12.1378, 0.2546, 0.4365)
contains.

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Color

Yxy(12.0963, 0.2543, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	00704B
RGB	0, 112, 75
RGB Percent	0%, 44%, 29%
CMY	0.9997, 0.5608, 0.7058
CMYK	1.00, 0.00, 0.33, 0.56
HSL	160°, 100%, 22%
HSV	160°, 100%, 44%
XYZ	7.0650, 12.0963, 8.6208
YIQ	74.2940, -54.8750, -35.2510

Conversions

Conversions Part 2

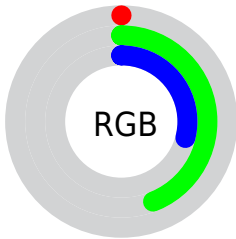
Format	Color
RYB	0, 67, 112
Decimal	28747
CIELab	41.37, -37.05, 13.03
CIELCh	41, 39.275, 160.621
Yxy	12.0963, 0.2543, 0.4354
Android (android.graphics.Color)	4278218827 (0xFF00704B)
YUV	74.2940, 0.3481, -65.1558
Hunter-Lab	34.7797, -24.6050, 9.6497

Details

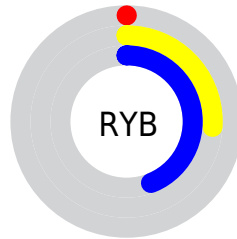
The Yxy color **12.0963, 0.2543, 0.4354** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.5801, 0.5537, 0.2825**, and the grayscale version is **6.9135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7820, 0.2703, 0.4058**, and **3.6539, 0.2674, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **12.0961, 0.2543, 0.4355**, and if you desaturate by 10%, it is **12.2215, 0.2541, 0.4233**.

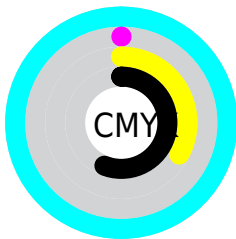
Distribution



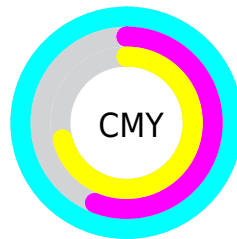
- Red (0%)
- Green (44%)
- Blue (29%)



- Red (0%)
- Yellow (26%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (56%)




- Cyan (100%)
- Magenta (56%)
- Yellow (71%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0963, 0.2543, 0.4354 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 12.0963, 0.2543, 0.4354 by changing the saturation by 10% instead.


 12.0963, 0.2543,
0.4354

 12.0963, 0.2543,
0.4354


205.0418, 0.2914,
0.3672


 6.8093, 0.2405,
0.4613


 29.6704, 0.2706,
0.4053


 3.3431, 0.2184,
0.5034

 42.7262, 0.2757,
0.3958


 1.3134, 0.1413,
0.6362

 59.1405, 0.2798,
0.3884

 0.1515, 0.0000,
1.0000


 79.2976, 0.2830,
0.3825

 0.0000, 0.0000,
0.0000

 103.5818, 0.2857,
0.3776


 132.3777, 0.2879,


0.3736

 166.0696, 0.2898,
0.3701


 12.0963, 0.2543,
0.4354


 12.0963, 0.2543,
0.4354


 12.0961, 0.2543,
0.4355

 12.2215, 0.2541,
0.4233

 12.3796, 0.2549,
0.4112

 12.5964, 0.2576,
0.3992

 12.8781, 0.2619,
0.3874

 13.2303, 0.2679,
0.3760

■ 13.6580, 0.2752,
0.3651

■ 14.1656, 0.2836,
0.3549

■ 14.7572, 0.2928,
0.3455

■ 15.4367, 0.3026,
0.3368

Harmonies

Analogous

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



12.0963, 0.3331, 0.4863



12.0963, 0.2543, 0.4354



12.0963, 0.1958, 0.3428

Triad

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



12.0963, 0.2543, 0.4354



12.0963, 0.2089, 0.2015



12.0963, 0.4808, 0.3596

Complementary

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



12.0963, 0.2543, 0.4354



3.5801, 0.5537, 0.2825

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.



12.0963, 0.4403, 0.2998



12.0963, 0.2543, 0.4354



12.0963, 0.2730, 0.2138

Square

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



12.0963, 0.2543, 0.4354



12.0963, 0.1743, 0.2157



12.0963, 0.3591, 0.2486



12.0963, 0.4668, 0.4210

Rectangle

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



12.0963, 0.2543, 0.4354



12.0963, 0.1746, 0.2854



12.0963, 0.3591, 0.2486



12.0963, 0.4734, 0.3391

Sweetspot

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



12.0968, 0.2543, 0.4354



24.8049, 0.2828, 0.3557



11.9887, 0.3201, 0.5840



5.8865, 0.2800, 0.3590



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.0968, 0.2543, 0.4354



21.2270, 0.2551, 0.4385



9.0595, 0.2104, 0.2775



3.7973, 0.3036, 0.3360



13.9797, 0.2545, 0.4363



69.4748, 0.2564, 0.4429

Inverse Universe

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



3.5801, 0.5537, 0.2825



6.2652, 0.5604, 0.2861



3.9012, 0.6169, 0.3482



3.4180, 0.3228, 0.3221



4.1329, 0.5557, 0.2835



20.4431, 0.5697, 0.2912

Previews

White Background



This preview shows how the Yxy color 12.0963, 0.2543, 0.4354 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 12.0963, 0.2543, 0.4354 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 12.0963, 0.2543, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 12.0963, 0.2543, 0.4354.



This preview shows how white text looks on a background with the Yxy color 12.0963, 0.2543, 0.4354.

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

12.0963, 0.2543, 0.4354

Protanopia

11.9823, 0.3662, 0.3927

Deuteranopia

12.0806, 0.3661, 0.3618



Tritanopia

12.2077, 0.2321, 0.3064

Trichromacy



Original Color

12.0963, 0.2543, 0.4354

Protanomaly

11.1510, 0.3034, 0.4125

Deuteranomaly

11.2351, 0.3016, 0.3894

Tritanomaly

12.0835, 0.2381, 0.3501

Monochromacy



Original Color

12.0963, 0.2543, 0.4354

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

8.0782, 0.2718, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0963, 0.2543, 0.4354 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(0, 112, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 75)  
}
```

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(0, 112, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 75) }
```

Border

The CSS property to change the border of an element to Yxy 12.0963, 0.2543, 0.4354 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(0, 112, 75) }
```

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

```
.border{ border-color:rgb(0, 112, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0963, 0.2543, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 75) }
```

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

```
.background{ background-color: rgb(0, 112,  
75) }
```

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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