

Converting Colors

$Y_{xy}(12.5463, 0.2479, 0.4119)$

Have a look what the booklet for
Yxy(12.5463, 0.2479, 0.4119)
contains.

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Color

Yxy(12.4568, 0.2475, 0.4102)

Conversions

Conversions Part 1

Format	Color
Hex	017154
RGB	1, 113, 84
RGB Percent	0%, 44%, 33%
CMY	0.9968, 0.5568, 0.6706
CMYK	0.99, 0.00, 0.26, 0.56
HSL	164°, 99%, 22%
HSV	164°, 99%, 44%
XYZ	7.5160, 12.4568, 10.3948
YIQ	76.2060, -57.4430, -32.7630

Conversions

Conversions Part 2

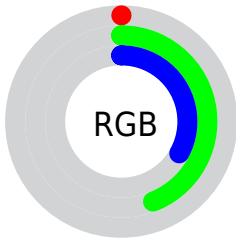
Format	Color
R_{YB}	1, 65, 113
Decimal	94548
CIE Lab	41.93, -35.10, 8.48
CIE LCh	42, 36.110, 166.423
Yxy	12.4568, 0.2475, 0.4102
Android (android.graphics.Color)	4278284628 (0xFF017154)
YUV	76.2060, 3.8424, -65.9557
Hunter-Lab	35.2942, -23.7528, 7.2439

Details

The Yxy color **12.4568, 0.2475, 0.4102** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.6219, 0.5772, 0.2964**, and the grayscale version is **7.2580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4495, 0.2643, 0.3876**, and **3.8133, 0.2572, 0.4459** is the 20% darker color. If you saturate the color by 10%, you get **12.4487, 0.2475, 0.4109**, and if you desaturate by 10%, it is **12.5778, 0.2479, 0.4009**.

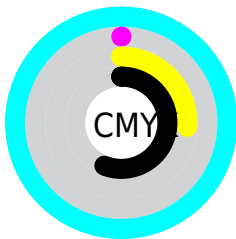
Distribution



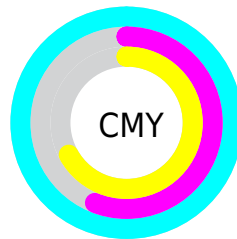
- Red (0%)
- Green (44%)
- Blue (33%)



- Red (0%)
- Yellow (25%)
- Blue (44%)



- Cyan (99%)
- Magenta (0%)
- Yellow (26%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4568, 0.2475, 0.4102 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 12.4568, 0.2475, 0.4102 by changing the saturation by 10% instead.


 12.4568, 0.2475,
0.4102


 12.4568, 0.2475,
0.4102


 207.4064, 0.2879,
0.3590


 7.0556, 0.2333,
0.4291


 30.3244, 0.2648,
0.3879


 3.4969, 0.2113,
0.4591

 43.5595, 0.2704,
0.3808


 1.3963, 0.1510,
0.5287

 60.1748, 0.2748,
0.3752

 0.2140, 0.0000,
1.0000

 80.5545, 0.2784,
0.3707


 0.0000, 0.0000,
0.0000


 105.0832, 0.2814,
0.3670


 134.1451, 0.2839,

0.3639


 168.1247, 0.2860,
0.3612


 12.4568, 0.2475,
0.4102


 12.4568, 0.2475,
0.4102

 12.4487, 0.2475,
0.4109

 12.5778, 0.2479,
0.4009

 12.7346, 0.2494,
0.3917

 12.9506, 0.2527,
0.3825

 13.2321, 0.2577,
0.3735

 13.5847, 0.2644,
0.3648

■ 14.0135, 0.2724,
0.3565

■ 14.5228, 0.2816,
0.3486

■ 15.1170, 0.2917,
0.3414

■ 15.7998, 0.3024,
0.3347

Harmonies

Analogous

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



12.4568, 0.3183, 0.4667



12.4568, 0.2475, 0.4102



12.4568, 0.1981, 0.3262

Triad

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



12.4568, 0.2475, 0.4102



12.4568, 0.2265, 0.2113



12.4568, 0.4678, 0.3701

Complementary

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



12.4568, 0.2475, 0.4102



3.6219, 0.5772, 0.2964

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.



12.4568, 0.4397, 0.3134



12.4568, 0.2475, 0.4102



12.4568, 0.2910, 0.2271

Square

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



12.4568, 0.2475, 0.4102



12.4568, 0.1886, 0.2201



12.4568, 0.3711, 0.2631



12.4568, 0.4475, 0.4260

Rectangle

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



12.4568, 0.2475, 0.4102



12.4568, 0.1818, 0.2772



12.4568, 0.3711, 0.2631



12.4568, 0.4640, 0.3509

Sweetspot

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



12.4573, 0.2475, 0.4102



25.8532, 0.2801, 0.3498



12.1010, 0.3142, 0.5878



5.9091, 0.2771, 0.3523



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.



12.4573, 0.2475, 0.4102



22.2667, 0.2481, 0.4132



7.9866, 0.2047, 0.2560



3.8012, 0.3027, 0.3345



14.1158, 0.2476, 0.4114



70.1708, 0.2490, 0.4165

Inverse Universe

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



3.6219, 0.5772, 0.2964



6.4281, 0.5861, 0.3002



4.2967, 0.6018, 0.3587



3.4144, 0.3238, 0.3236



4.0812, 0.5812, 0.2975



20.2076, 0.5945, 0.3049

Previews

White Background



This preview shows how the Yxy color 12.4568, 0.2475, 0.4102 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 12.4568, 0.2475, 0.4102 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 12.4568, 0.2475, 0.4102

Background



This preview shows how black text looks on a background with the Yxy color 12.4568, 0.2475, 0.4102.



This preview shows how white text looks on a background with the Yxy color 12.4568, 0.2475, 0.4102.

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

12.4568, 0.2475, 0.4102

Protanopia

12.4628, 0.3534, 0.3788

Deuteranopia

12.3337, 0.3499, 0.3443



Tritanopia

12.5967, 0.2307, 0.3090

Trichromacy



Original Color

12.4568, 0.2475, 0.4102

Protanomaly

11.6731, 0.2927, 0.3921

Deuteranomaly

11.5686, 0.2905, 0.3675

Tritanomaly

12.3539, 0.2346, 0.3419

Monochromacy



Original Color

12.4568, 0.2475, 0.4102

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.3622, 0.2683, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4568, 0.2475, 0.4102 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(1, 113, 84)` looks like.

```
.text, #text, p{  
    color:rgb(1, 113, 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(1, 113, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 113, 84) }
```

Border

The CSS property to change the border of an element to Yxy 12.4568, 0.2475, 0.4102 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(1, 113, 84) }
```

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

```
.border{ border-color:rgb(1, 113, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 113, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 113, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 113, 84);  
box-shadow:4px 4px 4px 4px rgb(1, 113, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4568, 0.2475, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 113, 84) }
```

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

```
.background{ background-color: rgb(1, 113,  
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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