

Converting Colors

$Y_{xy}(12.9382, 0.2584, 0.4403)$

Have a look what the booklet for
Yxy(12.9382, 0.2584, 0.4403)
contains.

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Color

Yxy(12.8478, 0.2578, 0.4381)

Conversions

Conversions Part 1

Format	Color
Hex	0A734C
RGB	10, 115, 76
RGB Percent	4%, 45%, 30%
CMY	0.9608, 0.5490, 0.7020
CMYK	0.91, 0.00, 0.34, 0.55
HSL	158°, 84%, 25%
HSV	158°, 91%, 45%
XYZ	7.5603, 12.8478, 8.9181
YIQ	79.1590, -50.0610, -34.3890

Conversions

Conversions Part 2

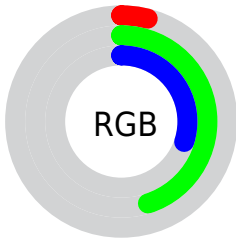
Format	Color
RYB	10, 74, 115
Decimal	684876
CIELab	42.53, -37.27, 14.06
CIELCh	43, 39.831, 159.325
Yxy	12.8478, 0.2578, 0.4381
Android (android.graphics.Color)	4278874956 (0xFF0A734C)
YUV	79.1590, -1.5574, -60.6524
Hunter-Lab	35.8438, -25.0769, 10.3391

Details

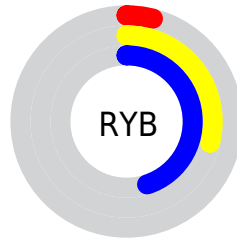
The Yxy color **12.8478, 0.2578, 0.4381** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0840, 0.5120, 0.2704**, and the grayscale version is **7.8617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1056, 0.2734, 0.4079**, and **4.0007, 0.2683, 0.4860** is the 20% darker color. If you saturate the color by 10%, you get **12.7335, 0.2583, 0.4500**, and if you desaturate by 10%, it is **13.0102, 0.2580, 0.4244**.

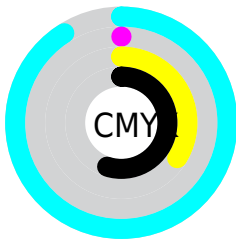
Distribution



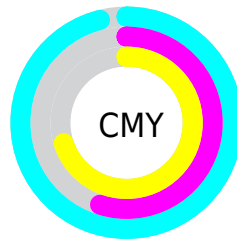
- Red (4%)
- Green (45%)
- Blue (30%)



- Red (4%)
- Yellow (29%)
- Blue (45%)



- Cyan (91%)
- Magenta (0%)
- Yellow (34%)
- Black (55%)




- Cyan (96%)
- Magenta (55%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8478, 0.2578, 0.4381 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 12.8478, 0.2578, 0.4381 by changing the saturation by 10% instead.


 12.8478, 0.2578,
0.4381

 12.8478, 0.2578,
0.4381


209.9399, 0.2926,
0.3686


 7.3238, 0.2449,
0.4641


 31.0301, 0.2730,
0.4076


 3.6654, 0.2243,
0.5058

 44.4572, 0.2779,
0.3979


 1.4882, 0.1687,
0.6137

 61.2874, 0.2817,
0.3904

 0.2804, 0.0000,
1.0000


 81.9052, 0.2847,
0.3843


 0.0000, 0.0000,
0.0000


 106.6950, 0.2872,
0.3793


 136.0411, 0.2893,


0.3751

 170.3279, 0.2911,
0.3716


 12.8478, 0.2578,
0.4381

 12.8478, 0.2578,
0.4381

 12.7335, 0.2583,
0.4500

 13.0102, 0.2580,
0.4244

 13.2340, 0.2600,
0.4107

 13.5269, 0.2638,
0.3971

 13.8947, 0.2693,
0.3840

 14.3430, 0.2760,
0.3716

■ 14.8765, 0.2839,
0.3599

■ 15.4997, 0.2926,
0.3490

■ 16.2168, 0.3018,
0.3391

■ 17.0315, 0.3115,
0.3301

Harmonies

Analogous

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



12.8478, 0.3367, 0.4860



12.8478, 0.2578, 0.4381



12.8478, 0.1983, 0.3468

Triad

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



12.8478, 0.2578, 0.4381



12.8478, 0.2073, 0.2022



12.8478, 0.4793, 0.3569

Complementary

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



12.8478, 0.2578, 0.4381



4.0840, 0.5120, 0.2704

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.



12.8478, 0.4367, 0.2976



12.8478, 0.2578, 0.4381



12.8478, 0.2700, 0.2134

Square

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



12.8478, 0.2578, 0.4381



12.8478, 0.1741, 0.2176



12.8478, 0.3550, 0.2471



12.8478, 0.4676, 0.4181

Rectangle

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



12.8478, 0.2578, 0.4381



12.8478, 0.1762, 0.2890



12.8478, 0.3550, 0.2471



12.8478, 0.4710, 0.3366

Sweetspot

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



12.8483, 0.2578, 0.4381



27.0200, 0.2869, 0.3559



12.9685, 0.3284, 0.5669



6.3788, 0.2847, 0.3588



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.8483, 0.2578, 0.4381



22.7748, 0.2593, 0.4534



10.9538, 0.2180, 0.2968



4.1333, 0.3040, 0.3370



14.5523, 0.2586, 0.4509



70.7456, 0.2606, 0.4580

Inverse Universe

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



4.0840, 0.5120, 0.2704



6.8113, 0.5453, 0.2778



4.2505, 0.5989, 0.3432



3.7213, 0.3223, 0.3211



4.3599, 0.5406, 0.2751



21.0929, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 12.8478, 0.2578, 0.4381 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 12.8478, 0.2578, 0.4381 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 12.8478, 0.2578, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 12.8478, 0.2578, 0.4381.



This preview shows how white text looks on a background with the Yxy color 12.8478, 0.2578, 0.4381.

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

12.8478, 0.2578, 0.4381

Protanopia

12.7447, 0.3677, 0.3955

Deuteranopia

12.6579, 0.3683, 0.3632



Tritanopia

12.9552, 0.2326, 0.3069

Trichromacy



Original Color

12.8478, 0.2578, 0.4381

Protanomaly

11.9487, 0.3087, 0.4147

Deuteranomaly

11.8428, 0.3071, 0.3901

Tritanomaly

12.8436, 0.2407, 0.3522

Monochromacy



Original Color

12.8478, 0.2578, 0.4381

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.9886, 0.2767, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8478, 0.2578, 0.4381 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(10, 115, 76)` looks like.

```
.text, #text, p{  
    color:rgb(10, 115, 76)  
}
```

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(10, 115, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 115, 76) }
```

Border

The CSS property to change the border of an element to Yxy 12.8478, 0.2578, 0.4381 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(10, 115, 76) }
```

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

```
.border{ border-color:rgb(10, 115, 76) }
```

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

Here you see how a box with a 4 pixel rgb(10, 115, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 115, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 115, 76);  
box-shadow:4px 4px 4px 4px rgb(10, 115,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8478, 0.2578, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 115, 76) }
```

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

```
.background{ background-color: rgb(10, 115,  
76) }
```

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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