

Converting Colors

$Yxy(10.3817, 0.2528, 0.4272)$

Have a look what the booklet for
Yxy(10.3817, 0.2528, 0.4272)
contains.

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Color

Yxy(10.3814, 0.2525, 0.4266)

Conversions

Conversions Part 1

Format	Color
Hex	026848
RGB	2, 104, 72
RGB Percent	1%, 41%, 28%
CMY	0.9922, 0.5921, 0.7177
CMYK	0.98, 0.00, 0.31, 0.59
HSL	161°, 96%, 21%
HSV	161°, 98%, 41%
XYZ	6.1446, 10.3814, 7.8092
YIQ	69.8540, -50.5200, -31.5760

Conversions

Conversions Part 2

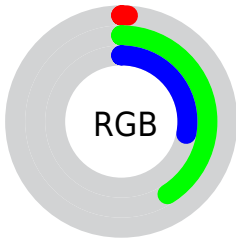
Format	Color
RYB	2, 62, 104
Decimal	157768
CIELab	38.52, -34.32, 10.90
CIELCh	39, 36.010, 162.378
Yxy	10.3814, 0.2525, 0.4266
Android (android.graphics.Color)	4278347848 (0xFF026848)
YUV	69.8540, 1.0580, -59.5080
Hunter-Lab	32.2202, -22.3440, 8.1841

Details

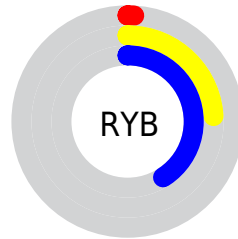
The Yxy color **10.3814, 0.2525, 0.4266** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.1019, 0.5514, 0.2842**, and the grayscale version is **6.1032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5351, 0.2696, 0.3972**, and **2.9122, 0.2657, 0.4765** is the 20% darker color. If you saturate the color by 10%, you get **10.3609, 0.2525, 0.4288**, and if you desaturate by 10%, it is **10.4937, 0.2527, 0.4152**.

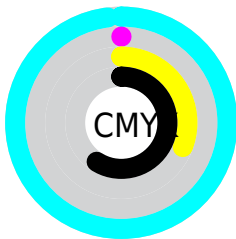
Distribution



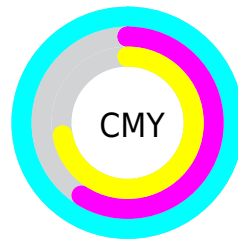
- Red (1%)
- Green (41%)
- Blue (28%)



- Red (1%)
- Yellow (24%)
- Blue (41%)



- Cyan (98%)
- Magenta (0%)
- Yellow (31%)
- Black (59%)





- Cyan (99%)
- Magenta (59%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3814, 0.2525, 0.4266 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 10.3814, 0.2525, 0.4266 by changing the saturation by 10% instead.


 10.3814, 0.2525,
0.4266


 10.3814, 0.2525,
0.4266


193.3729, 0.2912,
0.3631

 5.6526, 0.2377,
0.4517

 26.5104, 0.2696,
0.3981


 2.6350, 0.2136,
0.4935


 38.6794, 0.2750,
0.3893

 0.9443, 0.0462,
0.7450

 54.0973, 0.2792,
0.3825

 0.0000, 0.0000,
0.0000

 73.1484, 0.2825,
0.3770

 96.2171, 0.2853,
0.3726


 123.6878, 0.2876,


0.3689


 155.9450, 0.2895,
0.3658

 10.3814, 0.2525,
0.4266


 10.3814, 0.2525,
0.4266


 10.3609, 0.2525,
0.4288

 10.4937, 0.2527,
0.4152

 10.6384, 0.2541,
0.4039

 10.8336, 0.2573,
0.3927

 11.0843, 0.2622,
0.3817

 11.3949, 0.2685,
0.3711

■ 11.7696, 0.2762,
0.3611

■ 12.2119, 0.2849,
0.3516

■ 12.7252, 0.2944,
0.3429

■ 13.3127, 0.3044,
0.3349

Harmonies

Analogous

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



10.3814, 0.3284, 0.4792



10.3814, 0.2525, 0.4266



10.3814, 0.1972, 0.3374

Triad

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



10.3814, 0.2525, 0.4266



10.3814, 0.2149, 0.2052



10.3814, 0.4758, 0.3629

Complementary

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



10.3814, 0.2525, 0.4266



3.1019, 0.5514, 0.2842

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.



10.3814, 0.4395, 0.3043



10.3814, 0.2525, 0.4266



10.3814, 0.2789, 0.2185

Square

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



10.3814, 0.2525, 0.4266



10.3814, 0.1794, 0.2177



10.3814, 0.3628, 0.2535



10.3814, 0.4599, 0.4224

Rectangle

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



10.3814, 0.2525, 0.4266



10.3814, 0.1775, 0.2830



10.3814, 0.3628, 0.2535



10.3814, 0.4696, 0.3429

Sweetspot

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



10.3818, 0.2525, 0.4266



21.2806, 0.2833, 0.3532



10.2507, 0.3196, 0.5817



5.1301, 0.2805, 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.



10.3818, 0.2525, 0.4266



18.1556, 0.2533, 0.4318



7.5568, 0.2100, 0.2738



3.1713, 0.3035, 0.3355



12.7653, 0.2528, 0.4300



66.4149, 0.2546, 0.4366

Inverse Universe

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



3.1019, 0.5514, 0.2842



5.3335, 0.5649, 0.2886



3.4727, 0.6063, 0.3519



2.8593, 0.3228, 0.3226



3.7553, 0.5607, 0.2863



19.4436, 0.5755, 0.2944

Previews

White Background



This preview shows how the Yxy color 10.3814, 0.2525, 0.4266 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 10.3814, 0.2525, 0.4266 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 10.3814, 0.2525, 0.4266

Background



This preview shows how black text looks on a background with the Yxy color 10.3814, 0.2525, 0.4266.



This preview shows how white text looks on a background with the Yxy color 10.3814, 0.2525, 0.4266.

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

10.3814, 0.2525, 0.4266

Protanopia

10.2471, 0.3619, 0.3875

Deuteranopia

10.3415, 0.3614, 0.3547



Tritanopia

10.3637, 0.2312, 0.3048

Trichromacy



Original Color

10.3814, 0.2525, 0.4266

Protanomaly

9.6259, 0.3005, 0.4062

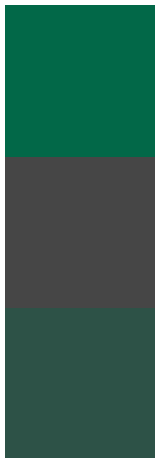
Deuteranomaly

9.5656, 0.2999, 0.3790

Tritanomaly

10.3157, 0.2371, 0.3458

Monochromacy



Original Color

10.3814, 0.2525, 0.4266

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.0474, 0.2709, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3814, 0.2525, 0.4266 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(2, 104, 72)` looks like.

```
.text, #text, p{  
    color:rgb(2, 104, 72)  
}
```

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(2, 104, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 104, 72) }
```

Border

The CSS property to change the border of an element to Yxy 10.3814, 0.2525, 0.4266 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(2, 104, 72) }
```

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

```
.border{ border-color:rgb(2, 104, 72) }
```

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

Here you see how a box with a 4 pixel rgb(2, 104, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 104, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 104, 72);  
box-shadow:4px 4px 4px 4px rgb(2, 104, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3814, 0.2525, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 104, 72) }
```

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

```
.background{ background-color: rgb(2, 104,  
72) }
```

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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