

Converting Colors

$Y_{xy}(15.4374, 0.3443, 0.4031)$

Have a look what the booklet for
Yxy(15.4374, 0.3443, 0.4031)
contains.

Yxy(15.3780, 0.3441, 0.4026)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.3780, 0.3441, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	69714F
RGB	105, 113, 79
RGB Percent	41%, 44%, 31%
CMY	0.5882, 0.5569, 0.6901
CMYK	0.07, 0.00, 0.30, 0.56
HSL	74°, 18%, 38%
HSV	74°, 30%, 44%
XYZ	13.1435, 15.3780, 9.6752
YIQ	106.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

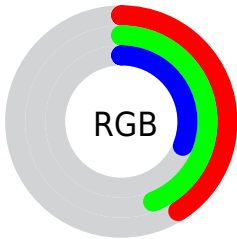
Format	Color
RYB	79, 113, 87
Decimal	6910287
CIELab	46.15, -9.32, 17.90
CIElCh	46, 20.183, 117.495
Yxy	15.3780, 0.3441, 0.4026
Android (android.graphics.Color)	4285100367 (0xFF69714F)
YUV	106.7320, -13.6719, -1.5190
Hunter-Lab	39.2148, -8.7986, 12.8221

Details

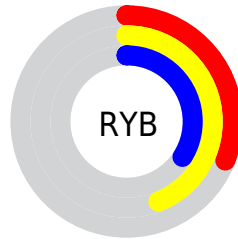
The Yxy color **15.3780, 0.3441, 0.4026** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.8126, 0.2748, 0.2494**, and the grayscale version is **14.6632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6369, 0.3377, 0.3851**, and **4.7659, 0.3560, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **15.0695, 0.3539, 0.4281**, and if you desaturate by 10%, it is **15.7209, 0.3337, 0.3772**.

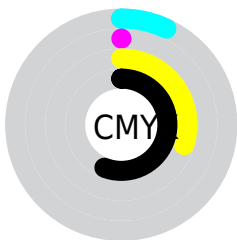
Distribution



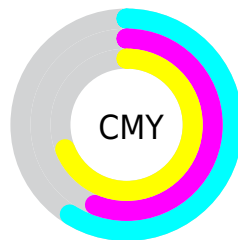
- Red (41%)
- Green (44%)
- Blue (31%)



- Red (31%)
- Yellow (44%)
- Blue (34%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (56%)



- Cyan (59%)
- Magenta (56%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3780, 0.3441, 0.4026 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 15.3780, 0.3441, 0.4026 by changing the saturation by 10% instead.

■ 15.3780, 0.3441,
0.4026

■ 15.3780, 0.3441,
0.4026

■ 225.6429, 0.3262,
0.3583

■ 9.0851, 0.3493,
0.4173

■ 35.5150, 0.3370,
0.3841

■ 4.7967, 0.3563,
0.4391

■ 50.1278, 0.3345,
0.3780

■ 2.1285, 0.3677,
0.4767

■ 68.2827, 0.3325,
0.3730

■ 0.6806, 0.3813,
0.6187

■ 90.3642, 0.3308,
0.3690

■ 0.0000, 0.0000,
0.0000

■ 116.7565, 0.3294,
0.3656

147.8442, 0.3282,

0.3628

184.0115, 0.3271,
0.3604

■ 15.3780, 0.3441,
0.4026

■ 15.3780, 0.3441,
0.4026

■ 15.0695, 0.3539,
0.4281

■ 15.7209, 0.3337,
0.3772

■ 14.7919, 0.3628,
0.4528

■ 16.0974, 0.3232,
0.3526

■ 14.5442, 0.3702,
0.4758

■ 16.5096, 0.3128,
0.3292

■ 14.3247, 0.3758,
0.4963

■ 16.9587, 0.3027,
0.3072

■ 14.1315, 0.3792,
0.5132

■ 17.4457, 0.2931,
0.2869

■ 13.9623, 0.3803,
0.5260

■ 17.9718, 0.2841,
0.2682

■ 13.8094, 0.3800,
0.5364

■ 18.5380, 0.2757,
0.2512

■ 19.1454, 0.2679,
0.2358

■ 19.7948, 0.2607,
0.2219

Harmonies

Analogous

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



15.3780, 0.3775, 0.3933



15.3780, 0.3441, 0.4026



15.3780, 0.3036, 0.3889

Triad

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



15.3780, 0.3441, 0.4026



15.3780, 0.2376, 0.2830



15.3780, 0.3583, 0.3033

Complementary

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



15.3780, 0.3441, 0.4026



8.8126, 0.2748, 0.2494

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.



15.3780, 0.3178, 0.2780



15.3780, 0.3441, 0.4026



15.3780, 0.2498, 0.2654

Square

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



15.3780, 0.3441, 0.4026



15.3780, 0.2436, 0.3154



15.3780, 0.2783, 0.2643



15.3780, 0.3869, 0.3353

Rectangle

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



15.3780, 0.3441, 0.4026



15.3780, 0.2782, 0.3681



15.3780, 0.2783, 0.2643



15.3780, 0.3455, 0.2938

Sweetspot

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



15.3787, 0.3441, 0.4026



28.8852, 0.3223, 0.3506



10.8827, 0.3703, 0.3466



6.6612, 0.3235, 0.3534



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.



15.3787, 0.3441, 0.4026



27.1514, 0.3509, 0.4202



14.4532, 0.3206, 0.4084



3.8787, 0.3221, 0.3500



15.6559, 0.3798, 0.5366



77.5824, 0.3776, 0.5384

Inverse Universe

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



8.8126, 0.2748, 0.2494



13.3939, 0.2641, 0.2285



9.7256, 0.3013, 0.2553



3.3348, 0.3029, 0.3075



1.6017, 0.1659, 0.0688



7.6406, 0.1617, 0.0664

Previews

White Background



This preview shows how the Yxy color 15.3780, 0.3441, 0.4026 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 15.3780, 0.3441, 0.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

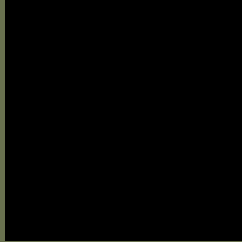
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.3780, 0.3441, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 15.3780, 0.3441, 0.4026.



This preview shows how white text looks on a background with the Yxy color 15.3780, 0.3441, 0.4026.

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

15.3780, 0.3441, 0.4026

Protanopia

15.3247, 0.3677, 0.3947

Deuteranopia

15.3644, 0.3813, 0.3758



Tritanopia

15.3245, 0.3042, 0.3107

Trichromacy



Original Color

15.3780, 0.3441, 0.4026

Protanomaly

15.2126, 0.3584, 0.3962

Deuteranomaly

15.2974, 0.3673, 0.3860

Tritanomaly

15.3193, 0.3188, 0.3437

Monochromacy



Original Color

15.3780, 0.3441, 0.4026

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.8645, 0.3239, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3780, 0.3441, 0.4026 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(105, 113, 79)` looks like.

```
.text, #text, p{  
    color:rgb(105, 113, 79)  
}
```

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(105, 113, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 113, 79) }
```

Border

The CSS property to change the border of an element to Yxy 15.3780, 0.3441, 0.4026 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(105, 113, 79) }
```

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

```
.border{ border-color:rgb(105, 113, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 113, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 113, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 113, 79);  
box-shadow:4px 4px 4px 4px rgb(105, 113,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3780, 0.3441, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 113, 79) }
```

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

```
.background{ background-color: rgb(105,  
113, 79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor