

Converting Colors

$Y_{xy}(12.7286, 0.3052, 0.4380)$

Have a look what the booklet for
Yxy(12.7286, 0.3052, 0.4380)
contains.

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Color

$\text{Yxy}(12.7275, 0.3052, 0.4381)$

Conversions

Conversions Part 1

Format	Color
Hex	426E44
RGB	66, 110, 68
RGB Percent	26%, 43%, 27%
CMY	0.7411, 0.5686, 0.7333
CMYK	0.40, 0.00, 0.38, 0.57
HSL	123°, 25%, 35%
HSV	123°, 40%, 43%
XYZ	8.8665, 12.7275, 7.4575
YIQ	92.0560, -12.7420, -22.3900

Conversions

Conversions Part 2

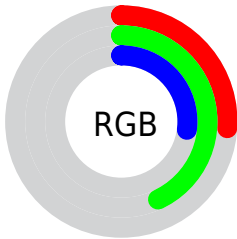
Format	Color
RYB	66, 108, 110
Decimal	4353604
CIELab	42.35, -24.74, 18.77
CIELCh	42, 31.059, 142.810
Yxy	12.7275, 0.3052, 0.4381
Android (android.graphics.Color)	4282543684 (0xFF426E44)
YUV	92.0560, -11.8596, -22.8511
Hunter-Lab	35.6756, -18.0693, 12.5791

Details

The Yxy color **12.7275, 0.3052, 0.4381** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.2958, 0.3205, 0.2398**, and the grayscale version is **10.7469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8380, 0.3081, 0.4072**, and **3.6304, 0.2942, 0.5041** is the 20% darker color. If you saturate the color by 10%, you get **12.2650, 0.3033, 0.4707**, and if you desaturate by 10%, it is **13.2876, 0.3072, 0.4069**.

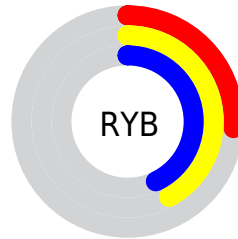
Distribution



 Red (26%)

 Green (43%)

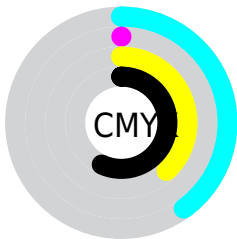
 Blue (27%)



 Red (26%)

 Yellow (42%)

 Blue (43%)

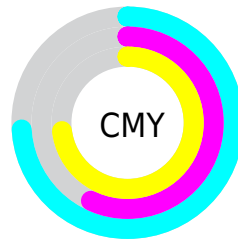



 Cyan (40%)


 Magenta (0%)

 Yellow (38%)

 Black (57%)



 Cyan (74%)


 Magenta (57%)

 Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7275, 0.3052, 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 12.7275, 0.3052, 0.4381 by changing the saturation by 10% instead.


 12.7275, 0.3052,
0.4381


 12.7275, 0.3052,
0.4381


209.1638, 0.3115,
0.3689


 7.2412, 0.3016,
0.4636


 30.8134, 0.3086,
0.4079


 3.6134, 0.2945,
0.5040

 44.1817, 0.3095,
0.3983

 1.4597, 0.2983,
0.6261

 60.9461, 0.3101,
0.3907

 0.2601, 0.0000,
1.0000

 81.4910, 0.3105,
0.3847

 0.0000, 0.0000,
0.0000

 106.2009, 0.3109,
0.3797

135.4600, 0.3111,

0.3755

169.6529, 0.3113,
0.3720

■ 12.7275, 0.3052,
0.4381

■ 12.7275, 0.3052,
0.4381

■ 12.2650, 0.3033,
0.4707

■ 13.2876, 0.3072,
0.4069

■ 11.8929, 0.3017,
0.5033

■ 13.9487, 0.3091,
0.3780

■ 11.6060, 0.3003,
0.5339


■ 14.7160, 0.3110,
0.3520

■ 11.3973, 0.2995,
0.5602


■ 15.5939, 0.3127,
0.3290

■ 11.2592, 0.2992,
0.5804


■ 16.5865, 0.3143,
0.3088


 11.1630, 0.2986,
0.5948

 17.6978, 0.3158,
0.2912

 11.1630, 0.2986,
0.5948

 18.9314, 0.3171,
0.2760

 20.2911, 0.3183,
0.2628

 21.7802, 0.3194,
0.2514

Harmonies

Analogous

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



12.7275, 0.3697, 0.4506



12.7275, 0.3052, 0.4381



12.7275, 0.2461, 0.3832

Triad

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



12.7275, 0.3052, 0.4381



12.7275, 0.2093, 0.2307



12.7275, 0.4298, 0.3272

Complementary

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



12.7275, 0.3052, 0.4381



8.2958, 0.3205, 0.2398

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.



12.7275, 0.3772, 0.2806



12.7275, 0.3052, 0.4381



12.7275, 0.2485, 0.2272

Square

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



12.7275, 0.3052, 0.4381



12.7275, 0.1952, 0.2591



12.7275, 0.3088, 0.2452



12.7275, 0.4457, 0.3779

Rectangle

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



12.7275, 0.3052, 0.4381



12.7275, 0.2174, 0.3361



12.7275, 0.3088, 0.2452



12.7275, 0.4156, 0.3108

Sweetspot

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



12.7280, 0.3052, 0.4381



25.5127, 0.3105, 0.3578



14.7673, 0.3669, 0.4230



5.9087, 0.3104, 0.3600



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.7280, 0.3052, 0.4381



21.5917, 0.3035, 0.4684



13.0399, 0.2816, 0.3807



3.7654, 0.3111, 0.3497



13.4087, 0.2987, 0.5953



66.7604, 0.2995, 0.5980

Inverse Universe

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



8.2958, 0.3205, 0.2398



12.6384, 0.3225, 0.2207



7.8934, 0.3615, 0.2831



3.4510, 0.3143, 0.3092



5.2073, 0.3321, 0.1603



25.9046, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 12.7275, 0.3052, 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 12.7275, 0.3052, 0.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

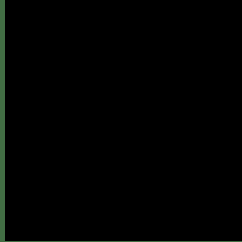
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7275, 0.3052, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 12.7275, 0.3052, 0.4381.



This preview shows how white text looks on a background with the Yxy color 12.7275, 0.3052, 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

12.7275, 0.3052, 0.4381

Protanopia

12.6727, 0.3761, 0.4085

Deuteranopia

12.4909, 0.3861, 0.3797



Tritanopia

12.7913, 0.2651, 0.3102

Trichromacy



Original Color

12.7275, 0.3052, 0.4381

Protanomaly

12.6094, 0.3483, 0.4215

Deuteranomaly

12.2092, 0.3532, 0.3990

Tritanomaly

12.7562, 0.2796, 0.3535

Monochromacy



Original Color

12.7275, 0.3052, 0.4381

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.3872, 0.3108, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7275, 0.3052, 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(66, 110, 68)` looks like.

```
.text, #text, p{  
  color:rgb(66, 110, 68)  
}
```

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(66, 110, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 110, 68) }
```

Border

The CSS property to change the border of an element to Yxy 12.7275, 0.3052, 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(66, 110, 68) }
```

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

```
.border{ border-color:rgb(66, 110, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 110, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 110, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 110, 68);  
box-shadow:4px 4px 4px 4px rgb(66, 110,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7275, 0.3052, 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(66, 110, 68) }
```

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

```
.background{ background-color: rgb(66, 110,  
68) }
```

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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