

Converting Colors

$Y_{xy}(12.5872, 0.2860, 0.4060)$

Have a look what the booklet for
Yxy(12.5872, 0.2860, 0.4060)
contains.

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Color

Yxy(12.5086, 0.2862, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	3D6D50
RGB	61, 109, 80
RGB Percent	24%, 43%, 31%
CMY	0.7609, 0.5725, 0.6863
CMYK	0.44, 0.00, 0.27, 0.57
HSL	144°, 28%, 33%
HSV	144°, 44%, 43%
XYZ	8.8394, 12.5086, 9.5374
YIQ	91.3420, -19.2990, -19.1950

Conversions

Conversions Part 2

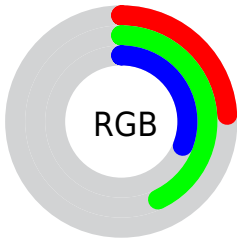
Format	Color
R_{YB}	61, 95, 109
Decimal	4025680
CIE _{Lab}	42.01, -23.52, 11.20
CIE _{LCh}	42, 26.055, 154.539
Yxy	12.5086, 0.2862, 0.4050
Android (android.graphics.Color)	4282215760 (0xFF3D6D50)
YUV	91.3420, -5.5916, -26.6099
Hunter-Lab	35.3675, -17.2806, 8.7687

Details

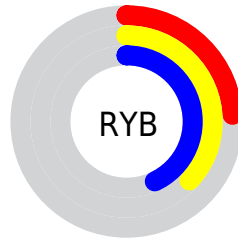
The Yxy color **12.5086, 0.2862, 0.4050** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.3233, 0.3544, 0.2643**, and the grayscale version is **10.5585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4542, 0.2940, 0.3848**, and **3.5234, 0.2696, 0.4529** is the 20% darker color. If you saturate the color by 10%, you get **12.1053, 0.2818, 0.4262**, and if you desaturate by 10%, it is **12.9928, 0.2915, 0.3850**.

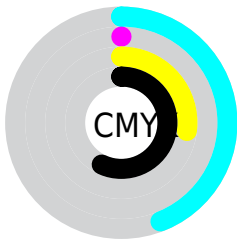
Distribution



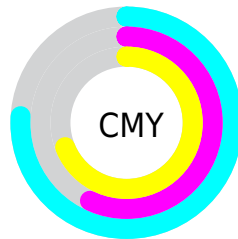
- Red (24%)
- Green (43%)
- Blue (31%)



- Red (24%)
- Yellow (37%)
- Blue (43%)



- Cyan (44%)
- Magenta (0%)
- Yellow (27%)
- Black (57%)




- Cyan (76%)
- Magenta (57%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5086, 0.2862, 0.4050 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 12.5086, 0.2862, 0.4050 by changing the saturation by 10% instead.


 12.5086, 0.2862,
0.4050


 12.5086, 0.2862,
0.4050


207.7439, 0.3032,
0.3570


 7.0911, 0.2797,
0.4227


 30.4181, 0.2937,
0.3841


 3.5191, 0.2692,
0.4509

 43.6788, 0.2961,
0.3774

 1.4084, 0.2496,
0.5097

 60.3227, 0.2979,
0.3722

 0.2229, 0.0000,
1.0000

 80.7342, 0.2994,
0.3680

 0.0000, 0.0000,
0.0000

 105.2977, 0.3006,
0.3645

 134.3975, 0.3016,

0.3616

168.4181, 0.3024,
0.3592

■ 12.5086, 0.2862,
0.4050

■ 12.5086, 0.2862,
0.4050

■ 12.1053, 0.2818,
0.4262

■ 12.9928, 0.2915,
0.3850

■ 11.7767, 0.2787,
0.4483

■ 13.5606, 0.2973,
0.3666

■ 11.5185, 0.2770,
0.4707


■ 14.2163, 0.3036,
0.3498

■ 11.3247, 0.2769,
0.4926

■ 14.9636, 0.3101,
0.3347

■ 11.1866, 0.2783,
0.5134


■ 15.8059, 0.3166,
0.3212

 11.1147, 0.2792,
0.5252

 16.7465, 0.3229,
0.3092

 17.7885, 0.3291,
0.2987

 18.9349, 0.3351,
0.2894

 20.1884, 0.3408,
0.2813

Harmonies

Analogous

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



12.5086, 0.3414, 0.4312



12.5086, 0.2862, 0.4050



12.5086, 0.2407, 0.3519

Triad

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



12.5086, 0.2862, 0.4050



12.5086, 0.2347, 0.2409



12.5086, 0.4209, 0.3459

Complementary

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



12.5086, 0.2862, 0.4050



7.3233, 0.3544, 0.2643

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.



12.5086, 0.3873, 0.3029



12.5086, 0.2862, 0.4050



12.5086, 0.2767, 0.2451

Square

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



12.5086, 0.2862, 0.4050



12.5086, 0.2135, 0.2577



12.5086, 0.3327, 0.2672



12.5086, 0.4216, 0.3889

Rectangle

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



12.5086, 0.2862, 0.4050



12.5086, 0.2212, 0.3138



12.5086, 0.3327, 0.2672



12.5086, 0.4130, 0.3312

Sweetspot

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



12.5091, 0.2862, 0.4050



25.5424, 0.3041, 0.3487



13.4789, 0.3468, 0.4417



5.8933, 0.3030, 0.3514



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.



12.5091, 0.2862, 0.4050



21.6472, 0.2817, 0.4271



12.9173, 0.2616, 0.3427



3.4628, 0.3069, 0.3418



12.9936, 0.2796, 0.5267



66.0466, 0.2825, 0.5369

Inverse Universe

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



7.3233, 0.3544, 0.2643



11.0380, 0.3686, 0.2500



6.9857, 0.4065, 0.3164



3.1446, 0.3190, 0.3165



4.2555, 0.4462, 0.2232



21.5089, 0.4553, 0.2282

Previews

White Background



This preview shows how the Yxy color 12.5086, 0.2862, 0.4050 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 12.5086, 0.2862, 0.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

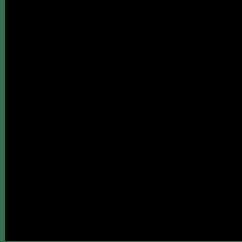
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5086, 0.2862, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 12.5086, 0.2862, 0.4050.



This preview shows how white text looks on a background with the Yxy color 12.5086, 0.2862, 0.4050.

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

12.5086, 0.2862, 0.4050

Protanopia

12.4959, 0.3579, 0.3830

Deuteranopia

12.3864, 0.3609, 0.3550



Tritanopia

12.5606, 0.2587, 0.3098

Trichromacy



Original Color

12.5086, 0.2862, 0.4050

Protanomaly

12.4100, 0.3284, 0.3917

Deuteranomaly

12.1564, 0.3301, 0.3716

Tritanomaly

12.4059, 0.2682, 0.3413

Monochromacy



Original Color

12.5086, 0.2862, 0.4050

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.1290, 0.3012, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5086, 0.2862, 0.4050 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(61, 109, 80)` looks like.

```
.text, #text, p{  
    color:rgb(61, 109, 80)  
}
```

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(61, 109, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 109, 80) }
```

Border

The CSS property to change the border of an element to Yxy 12.5086, 0.2862, 0.4050 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(61, 109, 80) }
```

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

```
.border{ border-color:rgb(61, 109, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 109, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 109, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 109, 80);  
box-shadow:4px 4px 4px 4px rgb(61, 109,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5086, 0.2862, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 109, 80) }
```

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

```
.background{ background-color: rgb(61, 109,  
80) }
```

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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