

Converting Colors

$Y_{xy}(12.9847, 0.2864, 0.5418)$

Have a look what the booklet for
Yxy(12.9847, 0.2864, 0.5418)
contains.

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Color

Yxy(12.9274, 0.2862, 0.5406)

Conversions

Conversions Part 1

Format	Color
Hex	087528
RGB	8, 117, 40
RGB Percent	3%, 46%, 16%
CMY	0.9688, 0.5412, 0.8431
CMYK	0.93, 0.00, 0.66, 0.54
HSL	138°, 87%, 25%
HSV	138°, 93%, 46%
XYZ	6.8439, 12.9274, 4.1417
YIQ	75.6310, -40.2470, -47.0550

Conversions

Conversions Part 2

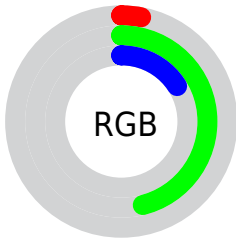
Format	Color
RYB	8, 92, 117
Decimal	554280
CIELab	42.65, -44.80, 33.86
CIELCh	43, 56.162, 142.916
Yxy	12.9274, 0.2862, 0.5406
Android (android.graphics.Color)	4278744360 (0xFF087528)
YUV	75.6310, -17.5661, -59.3124
Hunter-Lab	35.9547, -28.9435, 18.3385

Details

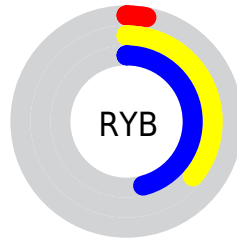
The Yxy color **12.9274, 0.2862, 0.5406** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.6099, 0.3997, 0.2034**, and the grayscale version is **7.1920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0737, 0.2986, 0.4813**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.8412, 0.2873, 0.5543**, and if you desaturate by 10%, it is **13.0841, 0.2846, 0.5184**.

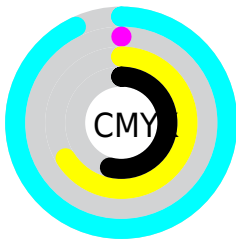
Distribution



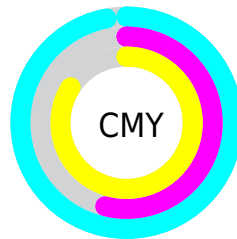
- Red (3%)
- Green (46%)
- Blue (16%)



- Red (3%)
- Yellow (36%)
- Blue (46%)



- Cyan (93%)
- Magenta (0%)
- Yellow (66%)
- Black (54%)




- Cyan (97%)
- Magenta (54%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9274, 0.2862, 0.5406 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 12.9274, 0.2862, 0.5406 by changing the saturation by 10% instead.

 12.9274, 0.2862,
0.5406


 12.9274, 0.2862,
0.5406


210.4519, 0.3088,
0.4038


 7.3786, 0.2730,
0.5907


 31.1733, 0.2985,
0.4805


 3.7000, 0.2527,
0.6805

 44.6391, 0.3017,
0.4614


 1.5072, 0.1362,
0.8638

 61.5128, 0.3038,
0.4464

 0.2938, 0.0000,
1.0000

 82.1787, 0.3054,
0.4345

 0.0000, 0.0000,
0.0000

 107.0211, 0.3066,
0.4247

 136.4245, 0.3075,

0.4166


 170.7733, 0.3082,
0.4097


 12.9274, 0.2862,
0.5406


 12.9274, 0.2862,
0.5406

 12.8412, 0.2873,
0.5543

 13.0841, 0.2846,
0.5184

 13.3109, 0.2844,
0.4939

 13.6173, 0.2857,
0.4682

 14.0103, 0.2882,
0.4423

 14.4962, 0.2918,
0.4173

■ 15.0805, 0.2961,
0.3936

■ 15.7684, 0.3009,
0.3718

■ 16.5648, 0.3059,
0.3520

■ 17.4740, 0.3111,
0.3343

Harmonies

Analogous

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



12.9274, 0.3913, 0.5401



12.9274, 0.2862, 0.5406



12.9274, 0.1932, 0.4291

Triad

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



12.9274, 0.2862, 0.5406



12.9274, 0.1473, 0.1684



12.9274, 0.5215, 0.3139

Complementary

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



12.9274, 0.2862, 0.5406



4.6099, 0.3997, 0.2034

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.



12.9274, 0.4260, 0.2465



12.9274, 0.2862, 0.5406



12.9274, 0.2039, 0.1672

Square

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



12.9274, 0.2862, 0.5406



12.9274, 0.1263, 0.2045



12.9274, 0.3016, 0.1945



12.9274, 0.5384, 0.3885

Rectangle

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



12.9274, 0.2862, 0.5406



12.9274, 0.1522, 0.3329



12.9274, 0.3016, 0.1945



12.9274, 0.4970, 0.2905

Sweetspot

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



12.9279, 0.2862, 0.5406



27.5315, 0.2982, 0.3836



14.7243, 0.3727, 0.5353



6.2355, 0.2965, 0.3913



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.



12.9279, 0.2862, 0.5406



22.9716, 0.2885, 0.5586



13.5717, 0.2440, 0.3918



4.1143, 0.3081, 0.3443



14.1447, 0.2875, 0.5551



68.7960, 0.2900, 0.5641

Inverse Universe

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



4.6099, 0.3997, 0.2034



7.8558, 0.4107, 0.2036



4.0568, 0.5709, 0.3016



3.7405, 0.3177, 0.3141



4.8457, 0.4085, 0.2024



23.4583, 0.4144, 0.2056

Previews

White Background



This preview shows how the Yxy color 12.9274, 0.2862, 0.5406 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 12.9274, 0.2862, 0.5406 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 12.9274, 0.2862, 0.5406

Background



This preview shows how black text looks on a background with the Yxy color 12.9274, 0.2862, 0.5406.



This preview shows how white text looks on a background with the Yxy color 12.9274, 0.2862, 0.5406.

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

12.9274, 0.2862, 0.5406

Protanopia

12.8735, 0.4161, 0.4602

Deuteranopia

12.8561, 0.4286, 0.4236



Tritanopia

12.8737, 0.2375, 0.3070

Trichromacy



Original Color

12.9274, 0.2862, 0.5406

Protanomaly

12.1048, 0.3483, 0.5010

Deuteranomaly

11.8763, 0.3558, 0.4757

Tritanomaly

12.6499, 0.2536, 0.3881

Monochromacy



Original Color

12.9274, 0.2862, 0.5406

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.5449, 0.2917, 0.4151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9274, 0.2862, 0.5406 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(8, 117, 40)` looks like.

```
.text, #text, p{  
    color:rgb(8, 117, 40)  
}
```

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(8, 117, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 117, 40) }
```

Border

The CSS property to change the border of an element to Yxy 12.9274, 0.2862, 0.5406 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(8, 117, 40) }
```

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

```
.border{ border-color:rgb(8, 117, 40) }
```

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

Here you see how a box with a 4 pixel rgb(8, 117, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 117, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 117, 40);  
box-shadow:4px 4px 4px 4px rgb(8, 117, 40)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9274, 0.2862, 0.5406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 117, 40) }
```

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

```
.background{ background-color: rgb(8, 117,  
40) }
```

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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