

Converting Colors

$Y_{xy}(12.3205, 0.2813, 0.4090)$

Have a look what the booklet for
Yxy(12.3205, 0.2813, 0.4090)
contains.

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Color

Yxy(12.3140, 0.2809, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	376D4F
RGB	55, 109, 79
RGB Percent	22%, 43%, 31%
CMY	0.7844, 0.5725, 0.6901
CMYK	0.50, 0.00, 0.28, 0.57
HSL	147°, 33%, 32%
HSV	147°, 50%, 43%
XYZ	8.4552, 12.3140, 9.3311
YIQ	89.4340, -22.5540, -20.7780

Conversions

Conversions Part 2

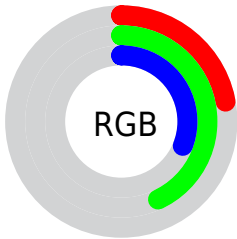
Format	Color
R _{YB}	55, 92, 109
Decimal	3632463
CIE Lab	41.71, -25.55, 11.32
CIE LCh	42, 27.949, 156.097
Yxy	12.3140, 0.2809, 0.4091
Android (android.graphics.Color)	4281822543 (0xFF376D4F)
YUV	89.4340, -5.1440, -30.1986
Hunter-Lab	35.0913, -18.4007, 8.7982

Details

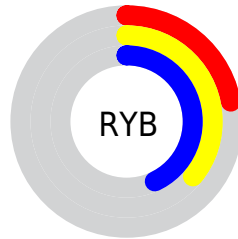
The Yxy color **12.3140, 0.2809, 0.4091** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.6376, 0.3676, 0.2621**, and the grayscale version is **10.1063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0515, 0.2897, 0.3875**, and **3.4530, 0.2614, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **11.9559, 0.2768, 0.4290**, and if you desaturate by 10%, it is **12.7492, 0.2862, 0.3902**.

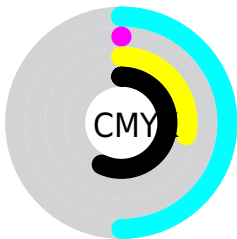
Distribution



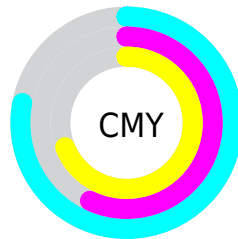
- Red (22%)
- Green (43%)
- Blue (31%)



- Red (22%)
- Yellow (36%)
- Blue (43%)



- Cyan (50%)
- Magenta (0%)
- Yellow (28%)
- Black (57%)





- Cyan (78%)
- Magenta (57%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3140, 0.2809, 0.4091 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 12.3140, 0.2809, 0.4091 by changing the saturation by 10% instead.


 12.3140, 0.2809,
0.4091


 12.3140, 0.2809,
0.4091


206.4731, 0.3012,
0.3584


 6.9579, 0.2732,
0.4280


 30.0657, 0.2898,
0.3869


 3.4358, 0.2607,
0.4582

 43.2301, 0.2927,
0.3799


 1.3633, 0.2348,
0.5260

 59.7661, 0.2949,
0.3743

 0.1894, 0.0000,
1.0000

 80.0580, 0.2967,
0.3699

 0.0000, 0.0000,
0.0000

 104.4903, 0.2981,
0.3662

 133.4473, 0.2993,

0.3632

167.3134, 0.3003,
0.3606

■ 12.3140, 0.2809,
0.4091

■ 12.3140, 0.2809,
0.4091

■ 11.9559, 0.2768,
0.4290

■ 12.7492, 0.2862,
0.3902

■ 11.6686, 0.2740,
0.4496

■ 13.2642, 0.2922,
0.3725

■ 11.4472, 0.2729,
0.4702


■ 13.8636, 0.2989,
0.3563


■ 11.2858, 0.2736,
0.4903


■ 14.5510, 0.3059,
0.3416

■ 11.1609, 0.2751,
0.5096

■ 15.3300, 0.3130,
0.3284

 11.1555, 0.2751,
0.5104

 16.2039, 0.3202,
0.3167

 17.1758, 0.3272,
0.3063

 18.2487, 0.3340,
0.2971

 19.4253, 0.3405,
0.2890

Harmonies

Analogous

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



12.3140, 0.3399, 0.4392



12.3140, 0.2809, 0.4091



12.3140, 0.2333, 0.3502

Triad

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



12.3140, 0.2809, 0.4091



12.3140, 0.2309, 0.2345



12.3140, 0.4304, 0.3489

Complementary

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



12.3140, 0.2809, 0.4091



6.6376, 0.3676, 0.2621

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.



12.3140, 0.3957, 0.3030



12.3140, 0.2809, 0.4091



12.3140, 0.2767, 0.2402

Square

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



12.3140, 0.2809, 0.4091



12.3140, 0.2072, 0.2508



12.3140, 0.3373, 0.2646



12.3140, 0.4288, 0.3947

Rectangle

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



12.3140, 0.2809, 0.4091



12.3140, 0.2135, 0.3091



12.3140, 0.3373, 0.2646



12.3140, 0.4226, 0.3332

Sweetspot

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



12.3145, 0.2809, 0.4091



25.3136, 0.3018, 0.3501



13.1729, 0.3462, 0.4580



5.8468, 0.3007, 0.3524



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.



12.3145, 0.2809, 0.4091



21.3460, 0.2764, 0.4312



12.7780, 0.2542, 0.3378



3.4651, 0.3063, 0.3408



13.0422, 0.2755, 0.5119



66.2859, 0.2783, 0.5219

Inverse Universe

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



6.6376, 0.3676, 0.2621



9.9300, 0.3861, 0.2490



6.2937, 0.4313, 0.3212



3.1423, 0.3196, 0.3175



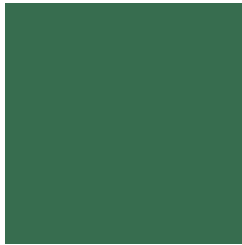
4.1857, 0.4654, 0.2337



21.1511, 0.4759, 0.2395

Previews

White Background



This preview shows how the Yxy color 12.3140, 0.2809, 0.4091 looks on a white background.

Color Contrast Check

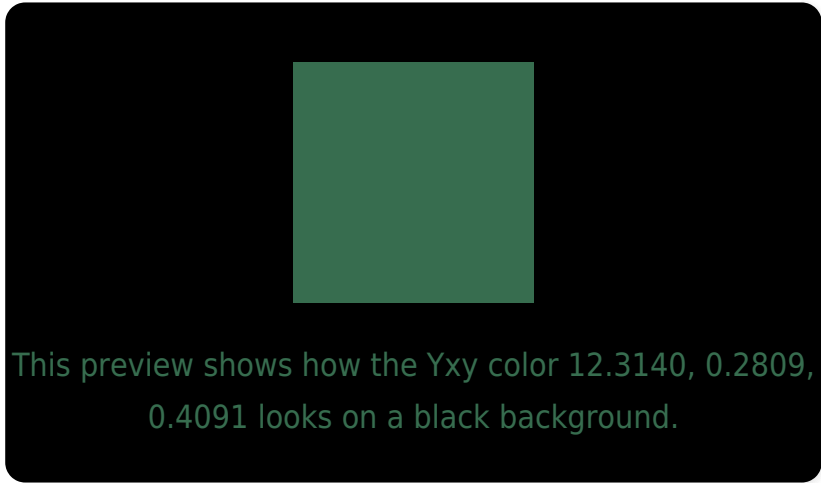
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

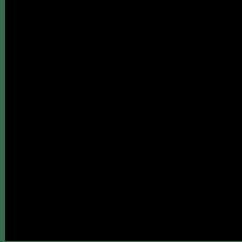
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3140, 0.2809, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 12.3140, 0.2809, 0.4091.



This preview shows how white text looks on a background with the Yxy color 12.3140, 0.2809, 0.4091.

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

12.3140, 0.2809, 0.4091

Protanopia

12.2330, 0.3583, 0.3835

Deuteranopia

12.1253, 0.3614, 0.3552



Tritanopia

12.3854, 0.2536, 0.3096

Trichromacy



Original Color

12.3140, 0.2809, 0.4091

Protanomaly

12.0508, 0.3256, 0.3929

Deuteranomaly

11.7931, 0.3272, 0.3724

Tritanomaly

12.2398, 0.2630, 0.3415

Monochromacy



Original Color

12.3140, 0.2809, 0.4091

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.5994, 0.2996, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3140, 0.2809, 0.4091 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(55, 109, 79)` looks like.

```
.text, #text, p{  
    color:rgb(55, 109, 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(55, 109, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 109, 79) }
```

Border

The CSS property to change the border of an element to Yxy 12.3140, 0.2809, 0.4091 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(55, 109, 79) }
```

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

```
.border{ border-color:rgb(55, 109, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 109, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 109, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 109, 79);  
box-shadow:4px 4px 4px 4px rgb(55, 109,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3140, 0.2809, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 109, 79) }
```

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

```
.background{ background-color: rgb(55, 109,  
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](#).

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