

Converting Colors

$Y_{xy}(12.2859, 0.3313, 0.5189)$

Have a look what the booklet for
Yxy(12.2859, 0.3313, 0.5189)
contains.

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Color

$\text{Yxy}(12.2973, 0.3317, 0.5186)$

Conversions

Conversions Part 1

Format	Color
Hex	3E6E23
RGB	62, 110, 35
RGB Percent	24%, 43%, 14%
CMY	0.7569, 0.5686, 0.8627
CMYK	0.44, 0.00, 0.68, 0.57
HSL	98°, 52%, 28%
HSV	98°, 68%, 43%
XYZ	7.8654, 12.2973, 3.5498
YIQ	87.0980, -4.5330, -33.5010

Conversions

Conversions Part 2

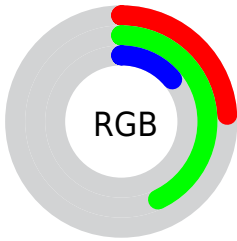
Format	Color
R_{YB}	35, 110, 83
Decimal	4091427
CIE _{Lab}	41.68, -30.75, 35.57
CIE _{LCh}	42, 47.018, 130.851
Yxy	12.2973, 0.3317, 0.5186
Android (android.graphics.Color)	4282281507 (0xFF3E6E23)
YUV	87.0980, -25.6843, -22.0109
Hunter-Lab	35.0675, -21.3316, 18.5455

Details

The Yxy color **12.2973, 0.3317, 0.5186** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.1687, 0.2652, 0.1582**, and the grayscale version is **9.6101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9915, 0.3314, 0.4659**, and **3.5098, 0.3112, 0.5911** is the 20% darker color. If you saturate the color by 10%, you get **12.0293, 0.3303, 0.5432**, and if you desaturate by 10%, it is **12.6164, 0.3316, 0.4906**.

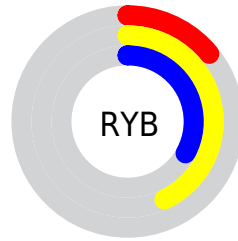
Distribution



Red (24%)

Green (43%)

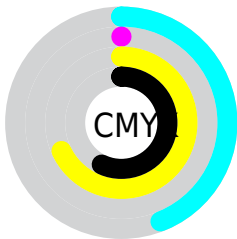
Blue (14%)



Red (14%)

Yellow (43%)

Blue (33%)

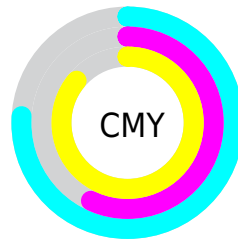


Cyan (44%)

Magenta (0%)

Yellow (68%)

Black (57%)



Cyan (76%)


Magenta (57%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2973, 0.3317, 0.5186 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 12.2973, 0.3317, 0.5186 by changing the saturation by 10% instead.


 12.2973, 0.3317,
0.5186


 12.2973, 0.3317,
0.5186


206.3637, 0.3261,
0.3980


 6.9465, 0.3277,
0.5607


 30.0354, 0.3322,
0.4666


 3.4287, 0.3281,
0.6479

 43.1915, 0.3313,
0.4497


 1.3594, 0.2604,
0.7396

 59.7182, 0.3304,
0.4364

 0.1865, 0.0000,
1.0000

 79.9998, 0.3294,
0.4257

 0.0000, 0.0000,
0.0000

 104.4208, 0.3285,
0.4169

 133.3655, 0.3276,

0.4096

167.2183, 0.3268,
0.4033

12.2973, 0.3317,
0.5186

12.2973, 0.3317,
0.5186

12.0293, 0.3303,
0.5432

12.6164, 0.3316,
0.4906

11.8077, 0.3273,
0.5631

12.9877, 0.3301,
0.4609

11.6256, 0.3235,
0.5789

13.4145, 0.3275,
0.4309

11.5953, 0.3229,
0.5818

13.8991, 0.3242,
0.4016

14.4436, 0.3203,
0.3739

■ 15.0503, 0.3162,
0.3483

■ 15.7211, 0.3119,
0.3249

■ 16.4580, 0.3077,
0.3038

■ 17.2626, 0.3036,
0.2850

Harmonies

Analogous

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



12.2973, 0.4221, 0.4951



12.2973, 0.3317, 0.5186



12.2973, 0.2412, 0.4580

Triad

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



12.2973, 0.3317, 0.5186



12.2973, 0.1544, 0.1968



12.2973, 0.4650, 0.2935

Complementary

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



12.2973, 0.3317, 0.5186



4.1687, 0.2652, 0.1582

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.



12.2973, 0.3675, 0.2362



12.2973, 0.3317, 0.5186



12.2973, 0.1928, 0.1827

Square

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



12.2973, 0.3317, 0.5186



12.2973, 0.1480, 0.2474



12.2973, 0.2658, 0.1971



12.2973, 0.5109, 0.3599

Rectangle

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



12.2973, 0.3317, 0.5186



12.2973, 0.1935, 0.3819



12.2973, 0.2658, 0.1971



12.2973, 0.4361, 0.2729

Sweetspot

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



12.2978, 0.3317, 0.5186



25.1288, 0.3213, 0.3803



9.5478, 0.4399, 0.4290



5.8004, 0.3221, 0.3860



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.



12.2978, 0.3317, 0.5186



20.8810, 0.3287, 0.5558



11.6997, 0.2954, 0.5125



3.8162, 0.3165, 0.3504



13.9130, 0.3223, 0.5823



68.8588, 0.3186, 0.5852

Inverse Universe

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



4.1687, 0.2652, 0.1582



5.4509, 0.2503, 0.1283



5.4381, 0.3408, 0.1986



3.3964, 0.3086, 0.3079



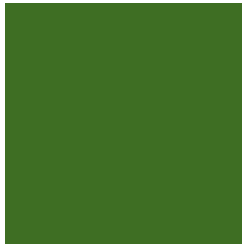
2.9192, 0.2353, 0.1070



14.0435, 0.2307, 0.1045

Previews

White Background



This preview shows how the Yxy color 12.2973, 0.3317, 0.5186 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 12.2973, 0.3317, 0.5186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

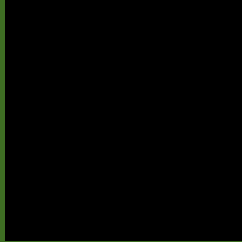
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2973, 0.3317, 0.5186

Background



This preview shows how black text looks on a background with the Yxy color 12.2973, 0.3317, 0.5186.



This preview shows how white text looks on a background with the Yxy color 12.2973, 0.3317, 0.5186.

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

12.2973, 0.3317, 0.5186

Protanopia

12.1546, 0.4198, 0.4614

Deuteranopia

12.1264, 0.4368, 0.4292



Tritanopia

12.3040, 0.2655, 0.3099

Trichromacy



Original Color

12.2973, 0.3317, 0.5186

Protanomaly

11.9397, 0.3859, 0.4830

Deuteranomaly

11.7795, 0.3951, 0.4615

Tritanomaly

12.2347, 0.2931, 0.3880

Monochromacy



Original Color

12.2973, 0.3317, 0.5186

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.2215, 0.3246, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2973, 0.3317, 0.5186 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(62, 110, 35)` looks like.

```
.text, #text, p{  
    color:rgb(62, 110, 35)  
}
```

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(62, 110, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 110, 35) }
```

Border

The CSS property to change the border of an element to Yxy 12.2973, 0.3317, 0.5186 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(62, 110, 35) }
```

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

```
.border{ border-color:rgb(62, 110, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 110, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 110, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 110, 35);  
box-shadow:4px 4px 4px 4px rgb(62, 110,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2973, 0.3317, 0.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 110, 35) }
```

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

```
.background{ background-color: rgb(62, 110,  
35) }
```

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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