

Converting Colors

$Y_{xy}(12.2870, 0.3261, 0.4517)$

Have a look what the booklet for
Yxy(12.2870, 0.3261, 0.4517)
contains.

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Color

Yxy(12.2870, 0.3261, 0.4517)

Conversions

Conversions Part 1

Format	Color
Hex	4A6B3B
RGB	74, 107, 59
RGB Percent	29%, 42%, 23%
CMY	0.7099, 0.5804, 0.7686
CMYK	0.31, 0.00, 0.45, 0.58
HSL	101°, 29%, 33%
HSV	101°, 45%, 42%
XYZ	8.8705, 12.2870, 6.0442
YIQ	91.6610, -4.2600, -21.9240

Conversions

Conversions Part 2

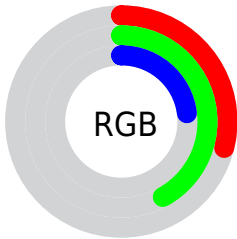
Format	Color
RYB	59, 107, 92
Decimal	4877115
CIELab	41.67, -21.77, 23.13
CIELCh	42, 31.770, 133.264
Yxy	12.2870, 0.3261, 0.4517
Android (android.graphics.Color)	4283067195 (0xFF4A6B3B)
YUV	91.6610, -16.1019, -15.4887
Hunter-Lab	35.0528, -16.1712, 14.3135

Details

The Yxy color **12.2870, 0.3261, 0.4517** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.4691, 0.2897, 0.2170**, and the grayscale version is **10.6587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1429, 0.3245, 0.4186**, and **3.3954, 0.3237, 0.5228** is the 20% darker color. If you saturate the color by 10%, you get **11.9123, 0.3274, 0.4822**, and if you desaturate by 10%, it is **12.7197, 0.3239, 0.4214**.

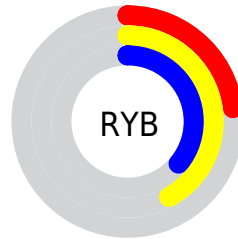
Distribution



Red (29%)

Green (42%)

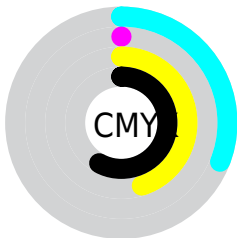
Blue (23%)



Red (23%)

Yellow (42%)

Blue (36%)

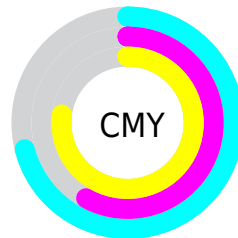


Cyan (31%)

Magenta (0%)

Yellow (45%)

Black (58%)



Cyan (71%)


Magenta (58%)

Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2870, 0.3261, 0.4517 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 12.2870, 0.3261, 0.4517 by changing the saturation by 10% instead.


 12.2870, 0.3261,
0.4517


 12.2870, 0.3261,
0.4517


 206.2962, 0.3202,
0.3739


 6.9395, 0.3261,
0.4801


 30.0167, 0.3246,
0.4179


 3.4243, 0.3235,
0.5242

 43.1677, 0.3238,
0.4070


 1.3570, 0.3391,
0.6609

 59.6887, 0.3230,
0.3985

 0.1847, 0.0000,
1.0000

 79.9639, 0.3223,
0.3917

 0.0000, 0.0000,
0.0000

 104.3779, 0.3217,
0.3860

 133.3150, 0.3211,

0.3813

167.1596, 0.3206,
0.3773

■ 12.2870, 0.3261,
0.4517

■ 12.2870, 0.3261,
0.4517

■ 11.9123, 0.3274,
0.4822

■ 12.7197, 0.3239,
0.4214

■ 11.5915, 0.3275,
0.5115

■ 13.2114, 0.3211,
0.3923

■ 11.3223, 0.3263,
0.5380


■ 13.7646, 0.3179,
0.3651


■ 11.1017, 0.3237,
0.5601

■ 14.3817, 0.3144,
0.3402

■ 10.9248, 0.3200,
0.5771

■ 15.0646, 0.3109,
0.3177

 10.8458, 0.3183,
0.5854

 15.8152, 0.3074,
0.2975

 16.6354, 0.3040,
0.2795

 17.5270, 0.3007,
0.2636

 18.4917, 0.2977,
0.2495

Harmonies

Analogous

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



12.2870, 0.3906, 0.4494



12.2870, 0.3261, 0.4517



12.2870, 0.2614, 0.4069

Triad

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



12.2870, 0.3261, 0.4517



12.2870, 0.1987, 0.2339



12.2870, 0.4199, 0.3108

Complementary

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



12.2870, 0.3261, 0.4517



6.4691, 0.2897, 0.2170

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.



12.2870, 0.3573, 0.2658



12.2870, 0.3261, 0.4517



12.2870, 0.2309, 0.2227

Square

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



12.2870, 0.3261, 0.4517



12.2870, 0.1926, 0.2716



12.2870, 0.2869, 0.2346



12.2870, 0.4497, 0.3623

Rectangle

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



12.2870, 0.3261, 0.4517



12.2870, 0.2270, 0.3597



12.2870, 0.2869, 0.2346



12.2870, 0.4016, 0.2947

Sweetspot

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



12.2875, 0.3261, 0.4517



24.8011, 0.3174, 0.3613



11.0634, 0.3886, 0.4032



5.9581, 0.3180, 0.3659



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.



12.2875, 0.3261, 0.4517



21.2864, 0.3274, 0.4843



11.8620, 0.2971, 0.4351



3.4863, 0.3159, 0.3502



13.1781, 0.3177, 0.5860



66.7340, 0.3141, 0.5888

Inverse Universe

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



6.4691, 0.2897, 0.2170



9.3826, 0.2822, 0.1904



7.1418, 0.3342, 0.2425



3.1189, 0.3093, 0.3082



3.0286, 0.2463, 0.1131



14.9567, 0.2421, 0.1108

Previews

White Background



This preview shows how the Yxy color 12.2870, 0.3261, 0.4517 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 12.2870, 0.3261, 0.4517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

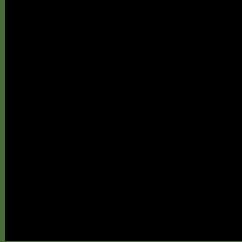
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2870, 0.3261, 0.4517

Background



This preview shows how black text looks on a background with the Yxy color 12.2870, 0.3261, 0.4517.



This preview shows how white text looks on a background with the Yxy color 12.2870, 0.3261, 0.4517.

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

12.2870, 0.3261, 0.4517

Protanopia

12.2090, 0.3888, 0.4213

Deuteranopia

12.2048, 0.4006, 0.3961



Tritanopia

12.2053, 0.2768, 0.3102

Trichromacy



Original Color

12.2870, 0.3261, 0.4517

Protanomaly

12.0896, 0.3652, 0.4322

Deuteranomaly

12.0854, 0.3712, 0.4160

Tritanomaly

12.1181, 0.2948, 0.3586

Monochromacy



Original Color

12.2870, 0.3261, 0.4517

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.0599, 0.3182, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2870, 0.3261, 0.4517 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(74, 107, 59)` looks like.

```
.text, #text, p{  
    color:rgb(74, 107, 59)  
}
```

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(74, 107, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 107, 59) }
```

Border

The CSS property to change the border of an element to Yxy 12.2870, 0.3261, 0.4517 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(74, 107, 59) }
```

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

```
.border{ border-color:rgb(74, 107, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 107, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 107, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 107, 59);  
box-shadow:4px 4px 4px 4px rgb(74, 107,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2870, 0.3261, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 107, 59) }
```

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

```
.background{ background-color: rgb(74, 107,  
59) }
```

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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