

Converting Colors

$Y_{xy}(14.4885, 0.2975, 0.4136)$

Have a look what the booklet for
Yxy(14.4885, 0.2975, 0.4136)
contains.

Yxy(14.4626, 0.2981, 0.4145)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.4626, 0.2981, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	487451
RGB	72, 116, 81
RGB Percent	28%, 45%, 32%
CMY	0.7178, 0.5451, 0.6823
CMYK	0.38, 0.00, 0.30, 0.55
HSL	132°, 23%, 37%
HSV	132°, 38%, 45%
XYZ	10.4012, 14.4626, 10.0279
YIQ	98.8540, -14.9890, -20.2130

Conversions

Conversions Part 2

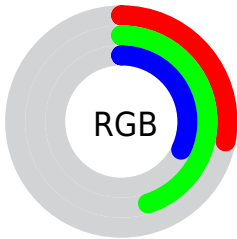
Format	Color
R_{YB}	72, 109, 116
Decimal	4748369
CIE _{Lab}	44.89, -23.30, 14.66
CIE _{LCh}	45, 27.525, 147.813
Yxy	14.4626, 0.2981, 0.4145
Android (android.graphics.Color)	4282938449 (0xFF487451)
YUV	98.8540, -8.8020, -23.5510
Hunter-Lab	38.0297, -17.7319, 10.9869

Details

The Yxy color **14.4626, 0.2981, 0.4145** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.4050, 0.3321, 0.2566**, and the grayscale version is **12.4626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7545, 0.3027, 0.3922**, and **4.3359, 0.2874, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **13.9298, 0.2949, 0.4420**, and if you desaturate by 10%, it is **15.0996, 0.3017, 0.3888**.

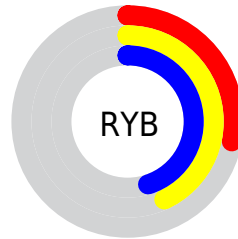
Distribution



Red (28%)

Green (45%)

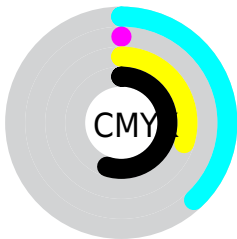
Blue (32%)



Red (28%)

Yellow (43%)

Blue (45%)

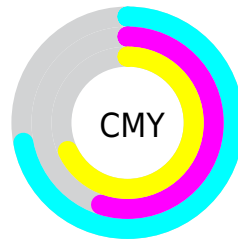


Cyan (38%)

Magenta (0%)

Yellow (30%)

Black (55%)



Cyan (72%)


Magenta (55%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4626, 0.2981, 0.4145 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 14.4626, 0.2981, 0.4145 by changing the saturation by 10% instead.


 14.4626, 0.2981,
0.4145


 14.4626, 0.2981,
0.4145


220.0900, 0.3079,
0.3614

 8.4431, 0.2941,
0.4333


 33.9076, 0.3026,
0.3917


 4.3798, 0.2873,
0.4625

 48.1019, 0.3040,
0.3844


 1.8882, 0.2749,
0.5151

 65.7900, 0.3050,
0.3785

 0.5413, 0.0000,
1.0000

 87.3562, 0.3058,
0.3738

 0.0000, 0.0000,
0.0000

 113.1849, 0.3065,
0.3699

143.6605, 0.3071,

0.3666

179.1674, 0.3075,
0.3638

■ 14.4626, 0.2981,
0.4145

■ 14.4626, 0.2981,
0.4145

■ 13.9298, 0.2949,
0.4420

■ 15.0996, 0.3017,
0.3888

■ 13.4938, 0.2924,
0.4705

■ 15.8440, 0.3056,
0.3653

■ 13.1492, 0.2908,
0.4989

■ 16.7011, 0.3096,
0.3441

■ 12.8893, 0.2904,
0.5258

■ 17.6755, 0.3135,
0.3254

■ 12.7065, 0.2911,
0.5497

■ 18.7713, 0.3173,
0.3088

■ 12.5810, 0.2924,
0.5696

■ 19.9926, 0.3209,
0.2944

■ 12.5578, 0.2926,
0.5733

■ 21.3431, 0.3244,
0.2818

■ 22.8266, 0.3276,
0.2708

■ 24.4465, 0.3306,
0.2612

Harmonies

Analogous

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



14.4626, 0.3538, 0.4327



14.4626, 0.2981, 0.4145



14.4626, 0.2490, 0.3652

Triad

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



14.4626, 0.2981, 0.4145



14.4626, 0.2275, 0.2423



14.4626, 0.4167, 0.3360

Complementary

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



14.4626, 0.2981, 0.4145



9.4050, 0.3321, 0.2566

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.



14.4626, 0.3766, 0.2938



14.4626, 0.2981, 0.4145



14.4626, 0.2654, 0.2420

Square

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



14.4626, 0.2981, 0.4145



14.4626, 0.2113, 0.2641



14.4626, 0.3196, 0.2605



14.4626, 0.4251, 0.3800

Rectangle

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



14.4626, 0.2981, 0.4145



14.4626, 0.2261, 0.3262



14.4626, 0.3196, 0.2605



14.4626, 0.4064, 0.3214

Sweetspot

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



14.4632, 0.2981, 0.4145



28.8314, 0.3083, 0.3509



16.0983, 0.3542, 0.4223



6.8403, 0.3079, 0.3530



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.



14.4632, 0.2981, 0.4145



24.5509, 0.2951, 0.4397



14.8443, 0.2753, 0.3599



4.1094, 0.3092, 0.3463



14.0882, 0.2928, 0.5741



68.5504, 0.2949, 0.5816

Inverse Universe

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



9.4050, 0.3321, 0.2566



14.2327, 0.3381, 0.2396



9.0028, 0.3728, 0.3006



3.7457, 0.3165, 0.3123



5.0354, 0.3784, 0.1858



24.4123, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 14.4626, 0.2981, 0.4145 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 14.4626, 0.2981, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

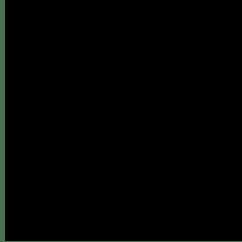
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4626, 0.2981, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 14.4626, 0.2981, 0.4145.



This preview shows how white text looks on a background with the Yxy color 14.4626, 0.2981, 0.4145.

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

14.4626, 0.2981, 0.4145

Protanopia

14.4073, 0.3649, 0.3924

Deuteranopia

14.3538, 0.3698, 0.3655



Tritanopia

14.4304, 0.2651, 0.3089

Trichromacy



Original Color

14.4626, 0.2981, 0.4145

Protanomaly

14.3546, 0.3380, 0.4011

Deuteranomaly

14.0830, 0.3399, 0.3821

Tritanomaly

14.4286, 0.2767, 0.3451

Monochromacy



Original Color

14.4626, 0.2981, 0.4145

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.9997, 0.3071, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4626, 0.2981, 0.4145 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(72, 116, 81)` looks like.

```
.text, #text, p{  
    color:rgb(72, 116, 81)  
}
```

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(72, 116, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 116, 81) }
```

Border

The CSS property to change the border of an element to Yxy 14.4626, 0.2981, 0.4145 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(72, 116, 81) }
```

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

```
.border{ border-color:rgb(72, 116, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 116, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 116, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 116, 81);  
box-shadow:4px 4px 4px 4px rgb(72, 116,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4626, 0.2981, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 116, 81) }
```

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

```
.background{ background-color: rgb(72, 116,  
81) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor