

Converting Colors

$Y_{xy}(15.0334, 0.2792, 0.4295)$

Have a look what the booklet for
Yxy(15.0334, 0.2792, 0.4295)
contains.

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Color

Yxy(14.9989, 0.2790, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	347951
RGB	52, 121, 81
RGB Percent	20%, 47%, 32%
CMY	0.7961, 0.5255, 0.6823
CMYK	0.57, 0.00, 0.33, 0.53
HSL	145°, 40%, 34%
HSV	145°, 57%, 47%
XYZ	9.7386, 14.9989, 10.1680
YIQ	95.8090, -28.2840, -27.0680

Conversions

Conversions Part 2

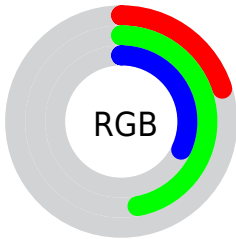
Format	Color
RYB	52, 101, 121
Decimal	3438929
CIELab	45.63, -31.69, 15.53
CIELCh	46, 35.289, 153.899
Yxy	14.9989, 0.2790, 0.4297
Android (android.graphics.Color)	4281629009 (0xFF347951)
YUV	95.8090, -7.3008, -38.4205
Hunter-Lab	38.7284, -22.8892, 11.5436

Details

The Yxy color **14.9989, 0.2790, 0.4297** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.2929, 0.3771, 0.2490**, and the grayscale version is **11.6716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8539, 0.2877, 0.4021**, and **4.7621, 0.2677, 0.4836** is the 20% darker color. If you saturate the color by 10%, you get **14.6188, 0.2761, 0.4513**, and if you desaturate by 10%, it is **15.4735, 0.2832, 0.4088**.

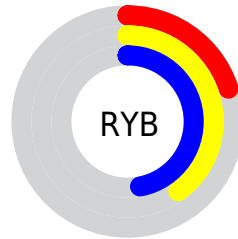
Distribution



Red (20%)

Green (47%)

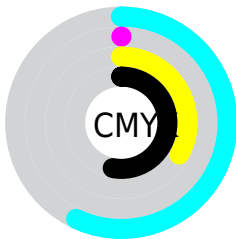
Blue (32%)



Red (20%)

Yellow (40%)

Blue (47%)

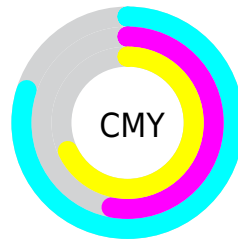


Cyan (57%)

Magenta (0%)

Yellow (33%)

Black (53%)



Cyan (80%)


Magenta (53%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9989, 0.2790, 0.4297 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 14.9989, 0.2790, 0.4297 by changing the saturation by 10% instead.


 14.9989, 0.2790,
0.4297


 14.9989, 0.2790,
0.4297


223.3596, 0.3005,
0.3670


 8.8186, 0.2710,
0.4520


 34.8513, 0.2884,
0.4028


 4.6231, 0.2582,
0.4867

 49.2921, 0.2914,
0.3940


 2.0278, 0.2357,
0.5483

 67.2553, 0.2937,
0.3871

 0.6236, 0.0000,
1.0000

 89.1251, 0.2956,
0.3816

 0.0000, 0.0000,
0.0000

 115.2861, 0.2972,
0.3770

 146.1226, 0.2985,

0.3731

182.0189, 0.2995,
0.3698

■ 14.9989, 0.2790,
0.4297

■ 14.9989, 0.2790,
0.4297

■ 14.6188, 0.2761,
0.4513

■ 15.4735, 0.2832,
0.4088

■ 14.3244, 0.2749,
0.4730

■ 16.0467, 0.2885,
0.3890

■ 14.1088, 0.2753,
0.4942

■ 16.7247, 0.2945,
0.3706

■ 13.9553, 0.2772,
0.5142

■ 17.5126, 0.3011,
0.3538

■ 13.9134, 0.2778,
0.5200

■ 18.4153, 0.3079,
0.3387

■ 19.4370, 0.3148,
0.3251

■ 20.5823, 0.3216,
0.3131

■ 21.8549, 0.3283,
0.3025

■ 23.2589, 0.3347,
0.2932

Harmonies

Analogous

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



14.9989, 0.3480, 0.4612



14.9989, 0.2790, 0.4297



14.9989, 0.2228, 0.3591

Triad

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



14.9989, 0.2790, 0.4297



14.9989, 0.2148, 0.2200



14.9989, 0.4501, 0.3461

Complementary

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



14.9989, 0.2790, 0.4297



7.2929, 0.3771, 0.2490

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.



14.9989, 0.4064, 0.2943



14.9989, 0.2790, 0.4297



14.9989, 0.2654, 0.2253

Square

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



14.9989, 0.2790, 0.4297



14.9989, 0.1900, 0.2395



14.9989, 0.3355, 0.2518



14.9989, 0.4502, 0.3995

Rectangle

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



14.9989, 0.2790, 0.4297



14.9989, 0.1993, 0.3092



14.9989, 0.3355, 0.2518



14.9989, 0.4400, 0.3283

Sweetspot

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



14.9995, 0.2790, 0.4297



31.2997, 0.3008, 0.3545



16.2114, 0.3514, 0.4788



7.1046, 0.2998, 0.3569



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.9995, 0.2790, 0.4297



26.0219, 0.2756, 0.4571



15.6489, 0.2485, 0.3422



4.4753, 0.3065, 0.3417



14.9074, 0.2779, 0.5206



70.9475, 0.2805, 0.5299

Inverse Universe

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



7.2929, 0.3771, 0.2490



10.8013, 0.3989, 0.2360



6.8233, 0.4600, 0.3180



4.0503, 0.3195, 0.3167



4.8295, 0.4568, 0.2290



22.8643, 0.4658, 0.2340

Previews

White Background



This preview shows how the Yxy color 14.9989, 0.2790, 0.4297 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 14.9989, 0.2790, 0.4297 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 14.9989, 0.2790, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 14.9989, 0.2790, 0.4297.



This preview shows how white text looks on a background with the Yxy color 14.9989, 0.2790, 0.4297.

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

14.9989, 0.2790, 0.4297

Protanopia

14.7364, 0.3687, 0.3957

Deuteranopia

14.7163, 0.3708, 0.3651



Tritanopia

15.0953, 0.2480, 0.3087

Trichromacy



Original Color

14.9989, 0.2790, 0.4297

Protanomaly

14.4513, 0.3300, 0.4094

Deuteranomaly

14.3886, 0.3290, 0.3876

Tritanomaly

15.0217, 0.2588, 0.3501

Monochromacy



Original Color

14.9989, 0.2790, 0.4297

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.5640, 0.2962, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9989, 0.2790, 0.4297 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(52, 121, 81)` looks like.

```
.text, #text, p{  
    color:rgb(52, 121, 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(52, 121, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 121, 81) }
```

Border

The CSS property to change the border of an element to Yxy 14.9989, 0.2790, 0.4297 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(52, 121, 81) }
```

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

```
.border{ border-color:rgb(52, 121, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 121, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 121, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 121, 81);  
box-shadow:4px 4px 4px 4px rgb(52, 121,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9989, 0.2790, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 121, 81) }
```

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

```
.background{ background-color: rgb(52, 121,  
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](#).

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