

Converting Colors

$Y_{xy}(14.2959, 0.3336, 0.4674)$

Have a look what the booklet for
Yxy(14.2959, 0.3336, 0.4674)
contains.

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Color

Yxy(14.2623, 0.3334, 0.4672)

Conversions

Conversions Part 1

Format	Color
Hex	507339
RGB	80, 115, 57
RGB Percent	31%, 45%, 22%
CMY	0.6863, 0.5490, 0.7765
CMYK	0.30, 0.00, 0.50, 0.55
HSL	96°, 34%, 34%
HSV	96°, 50%, 45%
XYZ	10.1778, 14.2623, 6.0871
YIQ	97.9230, -2.2420, -25.4580

Conversions

Conversions Part 2

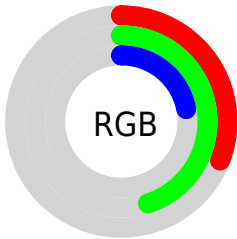
Format	Color
RYB	57, 115, 92
Decimal	5272377
CIELab	44.61, -23.80, 28.02
CIELCh	45, 36.766, 130.347
Yxy	14.2623, 0.3334, 0.4672
Android (android.graphics.Color)	4283462457 (0xFF507339)
YUV	97.9230, -20.1750, -15.7185
Hunter-Lab	37.7655, -17.9839, 16.8793

Details

The Yxy color **14.2623, 0.3334, 0.4672** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.4392, 0.2769, 0.1987**, and the grayscale version is **12.2459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4826, 0.3312, 0.4310**, and **4.3455, 0.3319, 0.5416** is the 20% darker color. If you saturate the color by 10%, you get **13.8742, 0.3350, 0.4962**, and if you desaturate by 10%, it is **14.7088, 0.3305, 0.4374**.

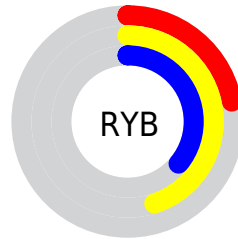
Distribution



Red (31%)

Green (45%)

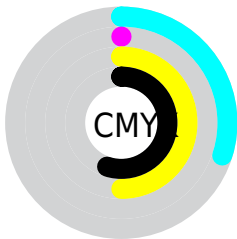
Blue (22%)



Red (22%)

Yellow (45%)

Blue (36%)

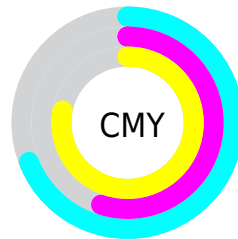


Cyan (30%)

Magenta (0%)

Yellow (50%)

Black (55%)



Cyan (69%)


Magenta (55%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2623, 0.3334, 0.4672 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 14.2623, 0.3334, 0.4672 by changing the saturation by 10% instead.


 14.2623, 0.3334,
0.4672


 14.2623, 0.3334,
0.4672


218.8566, 0.3240,
0.3813


 8.3033, 0.3339,
0.4968


 33.5537, 0.3308,
0.4306

 4.2896, 0.3317,
0.5411

 47.6550, 0.3295,
0.4186

 1.8369, 0.3435,
0.6565

 65.2391, 0.3283,
0.4091

 0.5100, 0.0000,
1.0000

 86.6904, 0.3272,
0.4014

 0.0000, 0.0000,
0.0000

 112.3935, 0.3263,
0.3951

 142.7326, 0.3254,

0.3897

178.0922, 0.3247,
0.3852

■ 14.2623, 0.3334,
0.4672

■ 14.2623, 0.3334,
0.4672

■ 13.8742, 0.3350,
0.4962

■ 14.7088, 0.3305,
0.4374

■ 13.5400, 0.3351,
0.5231

■ 15.2145, 0.3268,
0.4081

■ 13.2573, 0.3336,
0.5463

■ 15.7822, 0.3224,
0.3801

■ 13.0227, 0.3303,
0.5644

■ 16.4142, 0.3177,
0.3540

■ 12.8337, 0.3266,
0.5789

■ 17.1126, 0.3129,
0.3300

■ 17.8794, 0.3081,
0.3083

■ 18.7164, 0.3035,
0.2887

■ 19.6256, 0.2990,
0.2713

■ 20.6085, 0.2948,
0.2558

Harmonies

Analogous

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



14.2623, 0.4029, 0.4577



14.2623, 0.3334, 0.4672



14.2623, 0.2622, 0.4225

Triad

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



14.2623, 0.3334, 0.4672



14.2623, 0.1871, 0.2277



14.2623, 0.4253, 0.3033

Complementary

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



14.2623, 0.3334, 0.4672



6.4392, 0.2769, 0.1987

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.



14.2623, 0.3537, 0.2562



14.2623, 0.3334, 0.4672



14.2623, 0.2189, 0.2137

Square

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



14.2623, 0.3334, 0.4672



14.2623, 0.1832, 0.2709



14.2623, 0.2771, 0.2245



14.2623, 0.4622, 0.3582

Rectangle

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



14.2623, 0.3334, 0.4672



14.2623, 0.2234, 0.3705



14.2623, 0.2771, 0.2245



14.2623, 0.4039, 0.2863

Sweetspot

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



14.2629, 0.3334, 0.4672



28.8163, 0.3201, 0.3667



11.5602, 0.4053, 0.4032



6.8298, 0.3209, 0.3711



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.



14.2629, 0.3334, 0.4672



24.7060, 0.3352, 0.5023



13.4883, 0.3002, 0.4649



4.1625, 0.3171, 0.3505



14.6593, 0.3261, 0.5792



70.9684, 0.3225, 0.5821

Inverse Universe

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



6.4392, 0.2769, 0.1987



8.8919, 0.2651, 0.1679



7.6796, 0.3287, 0.2233



3.6889, 0.3080, 0.3077



2.8651, 0.2270, 0.1024



13.4543, 0.2223, 0.0998

Previews

White Background



This preview shows how the Yxy color 14.2623, 0.3334, 0.4672 looks on a white background.

Color Contrast Check

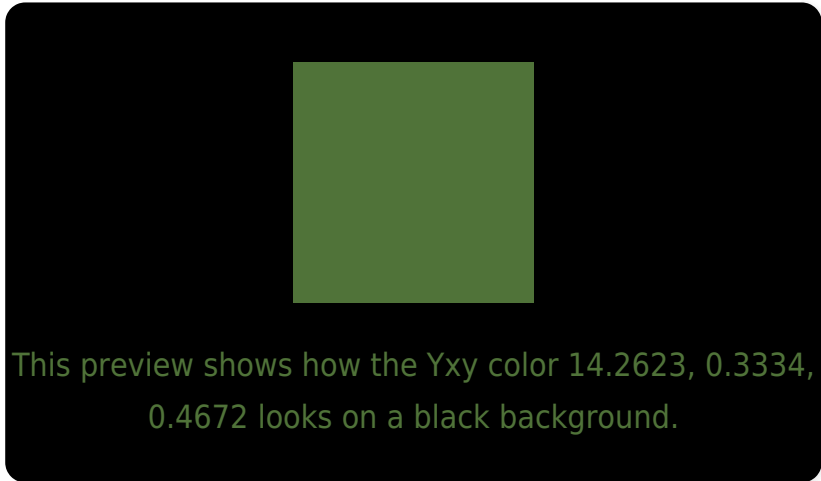
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2623, 0.3334, 0.4672

Background



This preview shows how black text looks on a background with the Yxy color 14.2623, 0.3334, 0.4672.



This preview shows how white text looks on a background with the Yxy color 14.2623, 0.3334, 0.4672.

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

14.2623, 0.3334, 0.4672

Protanopia

14.0825, 0.3972, 0.4329

Deuteranopia

14.0405, 0.4120, 0.4045



Tritanopia

14.1333, 0.2777, 0.3092

Trichromacy



Original Color

14.2623, 0.3334, 0.4672

Protanomaly

14.0967, 0.3723, 0.4466

Deuteranomaly

13.8089, 0.3820, 0.4247

Tritanomaly

14.1735, 0.2993, 0.3661

Monochromacy



Original Color

14.2623, 0.3334, 0.4672

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.7493, 0.3217, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2623, 0.3334, 0.4672 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(80, 115, 57)` looks like.

```
.text, #text, p{  
    color:rgb(80, 115, 57)  
}
```

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(80, 115, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 115, 57) }
```

Border

The CSS property to change the border of an element to Yxy 14.2623, 0.3334, 0.4672 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(80, 115, 57) }
```

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

```
.border{ border-color:rgb(80, 115, 57) }
```

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

Here you see how a box with a 4 pixel rgb(80, 115, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 115, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 115, 57);  
box-shadow:4px 4px 4px 4px rgb(80, 115,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2623, 0.3334, 0.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 115, 57) }
```

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

```
.background{ background-color: rgb(80, 115,  
57) }
```

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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