

Converting Colors

$Y_{xy}(15.5043, 0.2684, 0.3245)$

Have a look what the booklet for
Yxy(15.5043, 0.2684, 0.3245)
contains.

Yxy(15.5043, 0.2684, 0.3245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.5043, 0.2684, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	507476
RGB	80, 116, 118
RGB Percent	31%, 45%, 46%
CMY	0.6862, 0.5451, 0.5373
CMYK	0.32, 0.02, 0.00, 0.54
HSL	183°, 19%, 39%
HSV	183°, 32%, 46%
XYZ	12.8239, 15.5043, 19.4508
YIQ	105.4640, -22.0980, -7.0100

Conversions

Conversions Part 2

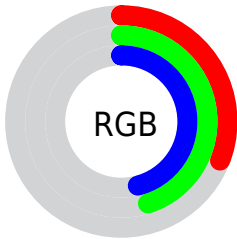
Format	Color
R_{YB}	80, 98, 118
Decimal	5272694
CIE Lab	46.32, -12.16, -5.20
CIE LCh	46, 13.226, 203.131
Yxy	15.5043, 0.2684, 0.3245
Android (android.graphics.Color)	4283462774 (0xFF507476)
YUV	105.4640, 6.1802, -22.3319
Hunter-Lab	39.3755, -10.7729, -1.7254

Details

The Yxy color **15.5043, 0.2684, 0.3245** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4645, 0.3803, 0.3334**, and the grayscale version is **14.2475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7328, 0.2792, 0.3258**, and **4.8835, 0.2481, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **14.8940, 0.2568, 0.3229**, and if you desaturate by 10%, it is **16.2070, 0.2812, 0.3260**.

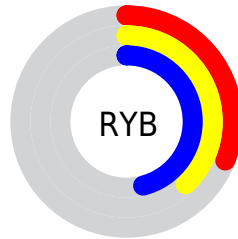
Distribution



Red (31%)

Green (45%)

Blue (46%)



Red (31%)

Yellow (38%)

Blue (46%)

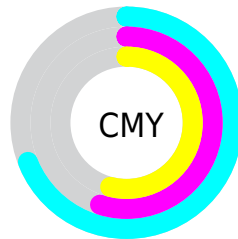


Cyan (32%)

Magenta (2%)

Yellow (0%)

Black (54%)



Cyan (69%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5043, 0.2684, 0.3245 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 15.5043, 0.2684, 0.3245 by changing the saturation by 10% instead.

■ 15.5043, 0.2684,
0.3245

■ 15.5043, 0.2684,
0.3245

■ 226.3986, 0.2943,
0.3275

■ 9.1741, 0.2602,
0.3233

■ 35.7355, 0.2789,
0.3259

■ 4.8549, 0.2484,
0.3214

■ 50.4052, 0.2825,
0.3263

■ 2.1624, 0.2297,
0.3179

■ 68.6236, 0.2854,
0.3266

■ 0.6994, 0.1671,
0.3178

■ 90.7750, 0.2878,
0.3269

■ 0.0000, 0.0000,
0.0000

■ 117.2438, 0.2898,
0.3271

148.4144, 0.2916,

0.3272

184.6712, 0.2930,
0.3274

■ 15.5043, 0.2684,
0.3245

■ 15.5043, 0.2684,
0.3245

■ 14.8940, 0.2568,
0.3229

■ 16.2070, 0.2812,
0.3260

■ 14.3694, 0.2466,
0.3213

■ 17.0047, 0.2950,
0.3274

■ 13.9262, 0.2380,
0.3196

■ 17.9019, 0.3095,
0.3287

■ 13.5585, 0.2311,
0.3179

■ 18.9026, 0.3244,
0.3299

■ 13.2600, 0.2260,
0.3162

■ 20.0104, 0.3395,
0.3310

■ 13.0229, 0.2225,
0.3146

■ 21.2288, 0.3546,
0.3320

■ 12.8570, 0.2204,
0.3133

■ 22.5611, 0.3696,
0.3329

■ 24.0104, 0.3841,
0.3336

■ 25.5799, 0.3982,
0.3343

Harmonies

Analogous

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



15.5043, 0.2860, 0.3497



15.5043, 0.2684, 0.3245



15.5043, 0.2623, 0.3019

Triad

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



15.5043, 0.2684, 0.3245



15.5043, 0.3125, 0.2928



15.5043, 0.3578, 0.3699

Complementary

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



15.5043, 0.2684, 0.3245



10.4645, 0.3803, 0.3334

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.



15.5043, 0.3659, 0.3527



15.5043, 0.2684, 0.3245



15.5043, 0.3391, 0.3092

Square

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



15.5043, 0.2684, 0.3245



15.5043, 0.2869, 0.2850



15.5043, 0.3590, 0.3307



15.5043, 0.3375, 0.3765

Rectangle

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



15.5043, 0.2684, 0.3245



15.5043, 0.2653, 0.2915



15.5043, 0.3590, 0.3307



15.5043, 0.3620, 0.3650

Sweetspot

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



15.5049, 0.2684, 0.3245



30.1994, 0.2978, 0.3277



15.2672, 0.3065, 0.4139



6.9052, 0.2962, 0.3275



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.



15.5049, 0.2684, 0.3245



26.4202, 0.2592, 0.3233



11.5822, 0.2634, 0.2808



4.1241, 0.2995, 0.3278



13.9080, 0.2203, 0.3132



67.3785, 0.2201, 0.3123

Inverse Universe

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



10.8514, 0.3193, 0.2568



16.8574, 0.3211, 0.2398



13.7176, 0.3685, 0.3727



3.7548, 0.3144, 0.3091



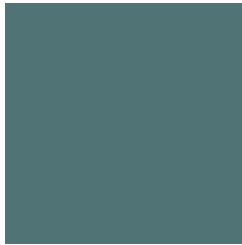
5.4280, 0.3339, 0.1613



26.4113, 0.3347, 0.1617

Previews

White Background



This preview shows how the Yxy color 15.5043, 0.2684, 0.3245 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 15.5043, 0.2684, 0.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

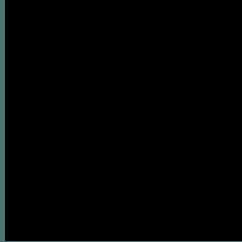
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5043, 0.2684, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 15.5043, 0.2684, 0.3245.



This preview shows how white text looks on a background with the Yxy color 15.5043, 0.2684, 0.3245.

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

15.5043, 0.2684, 0.3245

Protanopia

15.4672, 0.3078, 0.3188

Deuteranopia

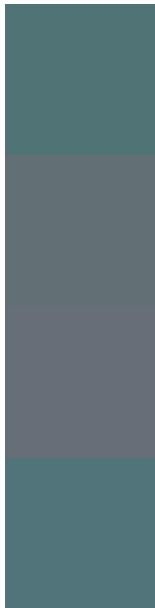
15.3090, 0.3072, 0.3012



Tritanopia

15.5105, 0.2643, 0.3094

Trichromacy



Original Color

15.5043, 0.2684, 0.3245

Protanomaly

15.4788, 0.2925, 0.3226

Deuteranomaly

15.3086, 0.2915, 0.3102

Tritanomaly

15.4159, 0.2652, 0.3136

Monochromacy



Original Color

15.5043, 0.2684, 0.3245

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.5499, 0.2944, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5043, 0.2684, 0.3245 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, 116, 118)` looks like.

```
.text, #text, p{  
    color:rgb(80, 116, 118)  
}
```

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, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 116, 118) }
```

Border

The CSS property to change the border of an element to Yxy 15.5043, 0.2684, 0.3245 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, 116, 118) }
```

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

```
.border{ border-color:rgb(80, 116, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 116, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 116, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 116, 118);  
box-shadow:4px 4px 4px 4px rgb(80, 116,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5043, 0.2684, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 116, 118) }
```

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

```
.background{ background-color: rgb(80, 116,  
118) }
```

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