

Converting Colors

$Y_{xy}(15.5536, 0.2824, 0.3291)$

Have a look what the booklet for
Yxy(15.5536, 0.2824, 0.3291)
contains.

Yxy(15.6500, 0.2832, 0.3311)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6500, 0.2832, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	5A7372
RGB	90, 115, 114
RGB Percent	35%, 45%, 45%
CMY	0.6469, 0.5490, 0.5530
CMYK	0.22, 0.00, 0.01, 0.55
HSL	178°, 12%, 40%
HSV	178°, 22%, 45%
XYZ	13.3859, 15.6500, 18.2308
YIQ	107.4110, -14.5790, -5.6110

Conversions

Conversions Part 2

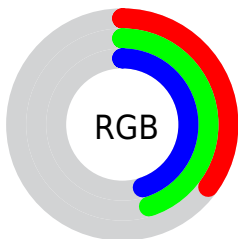
Format	Color
R _Y B	90, 103, 115
Decimal	5927794
CIE Lab	46.51, -9.31, -2.45
CIE LCh	47, 9.626, 194.768
Yxy	15.6500, 0.2832, 0.3311
Android (android.graphics.Color)	4284117874 (0xFF5A7372)
YUV	107.4110, 3.2484, -15.2694
Hunter-Lab	39.5601, -8.8312, 0.3690

Details

The Yxy color **15.6500, 0.2832, 0.3311** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7182, 0.3521, 0.3270**, and the grayscale version is **14.8185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0533, 0.2904, 0.3304**, and **4.9212, 0.2693, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **15.1071, 0.2710, 0.3322**, and if you desaturate by 10%, it is **16.2835, 0.2964, 0.3301**.

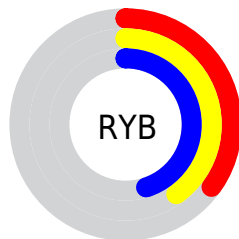
Distribution



Red (35%)

Green (45%)

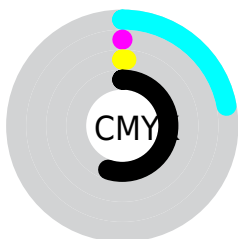
Blue (45%)



Red (35%)

Yellow (40%)

Blue (45%)

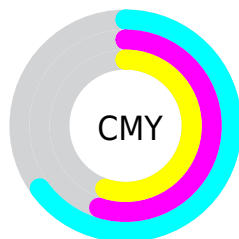


Cyan (22%)

Magenta (0%)

Yellow (1%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6500, 0.2832, 0.3311 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 15.6500, 0.2832, 0.3311 by changing the saturation by 10% instead.

■ 15.6500, 0.2832,
0.3311

■ 15.6500, 0.2832,
0.3311

■ 227.2675, 0.3005,
0.3300

■ 9.2768, 0.2777,
0.3314

■ 35.9895, 0.2903,
0.3307

■ 4.9222, 0.2696,
0.3317

■ 50.7246, 0.2927,
0.3305

■ 2.2017, 0.2568,
0.3321

■ 69.0159, 0.2946,
0.3304

■ 0.7209, 0.2145,
0.3376

■ 91.2476, 0.2962,
0.3303

■ 0.0000, 0.0000,
0.0000

■ 117.8043, 0.2976,
0.3302

149.0702, 0.2987,

0.3301

185.4298, 0.2997,
0.3301

■ 15.6500, 0.2832,
0.3311

■ 15.6500, 0.2832,
0.3311

■ 15.1071, 0.2710,
0.3322

■ 16.2835, 0.2964,
0.3301

■ 14.6488, 0.2601,
0.3333

■ 17.0094, 0.3103,
0.3292

■ 14.2712, 0.2507,
0.3346

■ 17.8321, 0.3247,
0.3283

■ 13.9697, 0.2428,
0.3358

■ 18.7550, 0.3394,
0.3275

■ 13.7388, 0.2367,
0.3371

■ 19.7812, 0.3541,
0.3269

■ 13.5726, 0.2323,
0.3383

■ 20.9139, 0.3687,
0.3263

■ 13.4641, 0.2296,
0.3396

■ 22.1560, 0.3830,
0.3258

■ 13.3942, 0.2280,
0.3406

■ 23.5105, 0.3969,
0.3253

■ 24.9800, 0.4103,
0.3250

Harmonies

Analogous

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



15.6500, 0.2981, 0.3485



15.6500, 0.2832, 0.3311



15.6500, 0.2761, 0.3137

Triad

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



15.6500, 0.2832, 0.3311



15.6500, 0.3072, 0.3000



15.6500, 0.3481, 0.3561

Complementary

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



15.6500, 0.2832, 0.3311



11.7182, 0.3521, 0.3270

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.



15.6500, 0.3508, 0.3424



15.6500, 0.2832, 0.3311



15.6500, 0.3268, 0.3106

Square

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



15.6500, 0.2832, 0.3311



15.6500, 0.2896, 0.2965



15.6500, 0.3430, 0.3259



15.6500, 0.3356, 0.3630

Rectangle

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



15.6500, 0.2832, 0.3311



15.6500, 0.2765, 0.3047



15.6500, 0.3430, 0.3259



15.6500, 0.3502, 0.3521

Sweetspot

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



15.6506, 0.2832, 0.3311



29.7277, 0.3026, 0.3297



15.2379, 0.3117, 0.3855



7.0796, 0.3020, 0.3297



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.



15.6506, 0.2832, 0.3311



27.5234, 0.2770, 0.3316



13.2658, 0.2805, 0.3040



4.1528, 0.3000, 0.3298



15.3124, 0.2280, 0.3407



74.5879, 0.2282, 0.3414

Inverse Universe

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



11.7182, 0.3521, 0.3270



19.1588, 0.3639, 0.3265



13.7424, 0.3490, 0.3528



3.7030, 0.3270, 0.3282



4.1777, 0.6332, 0.3262



20.3277, 0.6372, 0.3284

Previews

White Background



This preview shows how the Yxy color 15.6500, 0.2832, 0.3311 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 15.6500, 0.2832, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

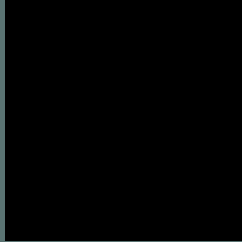
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

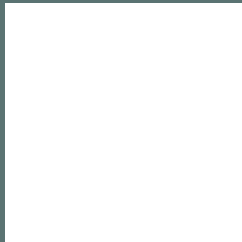
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.6500, 0.2832, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 15.6500, 0.2832, 0.3311.



This preview shows how white text looks on a background with the Yxy color 15.6500, 0.2832, 0.3311.

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

15.6500, 0.2832, 0.3311

Protanopia

15.5297, 0.3143, 0.3249

Deuteranopia

15.6279, 0.3163, 0.3112



Tritanopia

15.7400, 0.2758, 0.3099

Trichromacy



Original Color

15.6500, 0.2832, 0.3311

Protanomaly

15.4818, 0.3023, 0.3269

Deuteranomaly

15.5778, 0.3039, 0.3187

Tritanomaly

15.6148, 0.2778, 0.3161

Monochromacy



Original Color

15.6500, 0.2832, 0.3311

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0444, 0.3008, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6500, 0.2832, 0.3311 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(90, 115, 114)` looks like.

```
.text, #text, p{  
    color:rgb(90, 115, 114)  
}
```

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(90, 115, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 115, 114) }
```

Border

The CSS property to change the border of an element to Yxy 15.6500, 0.2832, 0.3311 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(90, 115, 114) }
```

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

```
.border{ border-color:rgb(90, 115, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 115, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 115, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 115, 114);  
box-shadow:4px 4px 4px 4px rgb(90, 115,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6500, 0.2832, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 115, 114) }
```

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

```
.background{ background-color: rgb(90, 115,  
114) }
```

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