

Converting Colors

$Y_{xy}(11.2510, 0.4561, 0.3328)$

Have a look what the booklet for
Yxy(11.2510, 0.4561, 0.3328)
contains.

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Color

Yxy(11.2800, 0.4560, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	934846
RGB	147, 72, 70
RGB Percent	58%, 28%, 27%
CMY	0.4235, 0.7176, 0.7255
CMYK	0.00, 0.51, 0.52, 0.42
HSL	2°, 35%, 43%
HSV	2°, 52%, 58%
XYZ	15.4558, 11.2800, 7.1585
YIQ	94.1970, 45.3420, 15.2780

Conversions

Conversions Part 2

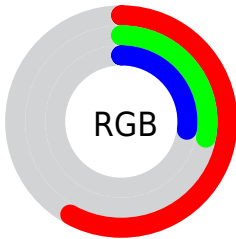
Format	Color
RYB	147, 72, 70
Decimal	9652294
CIELab	40.05, 31.32, 15.91
CIELCh	40, 35.135, 26.933
Yxy	11.2800, 0.4560, 0.3328
Android (android.graphics.Color)	4287842374 (0xFF934846)
YUV	94.1970, -11.9291, 46.3082
Hunter-Lab	33.5857, 23.3687, 10.8729

Details

The Yxy color **11.2800, 0.4560, 0.3328** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.6616, 0.2461, 0.3250**, and the grayscale version is **11.2638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0644, 0.4187, 0.3345**, and **3.0077, 0.5308, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **9.4763, 0.5003, 0.3333**, and if you desaturate by 10%, it is **13.5616, 0.4167, 0.3321**.

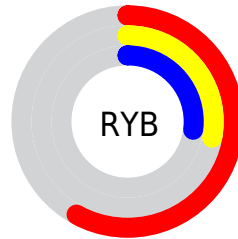
Distribution



Red (58%)

Green (28%)

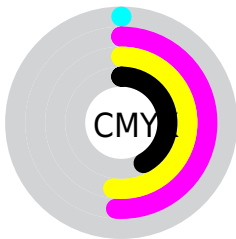
Blue (27%)



Red (58%)

Yellow (28%)

Blue (27%)

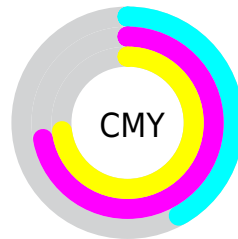


Cyan (0%)

Magenta (51%)

Yellow (52%)

Black (42%)



Cyan (42%)


Magenta (72%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2800, 0.4560, 0.3328 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 11.2800, 0.4560, 0.3328 by changing the saturation by 10% instead.


 11.2800, 0.4560,
0.3328


 11.2800, 0.4560,
0.3328


199.5786, 0.3672,
0.3339


 6.2555, 0.4866,
0.3298


 28.1768, 0.4182,
0.3346


 3.0011, 0.5324,
0.3229

 40.8179, 0.4058,
0.3348


 1.1323, 0.6466,
0.3251

 56.7666, 0.3960,
0.3348

 0.0053, 0.9931,
0.0069

 76.4073, 0.3881,
0.3347

 0.0000, 0.0000,
0.0000

 100.1245, 0.3815,
0.3345

128.3025, 0.3759,

0.3343

161.3257, 0.3712,
0.3341

■ 11.2800, 0.4560,
0.3328

■ 11.2800, 0.4560,
0.3328

■ 9.4763, 0.5003,
0.3333

■ 13.5616, 0.4167,
0.3321

■ 8.1149, 0.5464,
0.3333

■ 16.3498, 0.3835,
0.3314

■ 7.1582, 0.5887,
0.3329

■ 19.6731, 0.3563,
0.3306

■ 6.5617, 0.6203,
0.3320

■ 23.5576, 0.3342,
0.3299

■ 6.2857, 0.6376,
0.3319

■ 28.0273, 0.3164,
0.3292

■ 33.1051, 0.3020,
0.3285

■ 38.8126, 0.2904,
0.3280

■ 45.1703, 0.2809,
0.3274

■ 52.1979, 0.2731,
0.3270

Harmonies

Analogous

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



11.2800, 0.3986, 0.2792



11.2800, 0.4560, 0.3328



11.2800, 0.4666, 0.3904

Triad

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



11.2800, 0.4560, 0.3328



11.2800, 0.2919, 0.4536



11.2800, 0.1981, 0.2134

Complementary

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



11.2800, 0.4560, 0.3328



23.6616, 0.2461, 0.3250

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.



11.2800, 0.1783, 0.2404



11.2800, 0.4560, 0.3328



11.2800, 0.2266, 0.3817

Square

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



11.2800, 0.4560, 0.3328



11.2800, 0.3670, 0.4737



11.2800, 0.1872, 0.2988



11.2800, 0.2460, 0.2137

Rectangle

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



11.2800, 0.4560, 0.3328



11.2800, 0.4475, 0.4272



11.2800, 0.1872, 0.2988



11.2800, 0.1884, 0.2191

Sweetspot

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



11.2806, 0.4560, 0.3328



39.3144, 0.3424, 0.3301



12.6511, 0.3203, 0.2090



8.6800, 0.3465, 0.3303



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



11.2806, 0.4560, 0.3328



16.4427, 0.5092, 0.3333



17.7515, 0.4183, 0.3973



5.8380, 0.3282, 0.3296



5.4551, 0.6374, 0.3321



0.0716, 0.6245, 0.3423

Inverse Universe

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



23.6616, 0.2461, 0.3250



41.1248, 0.2365, 0.3240



13.9707, 0.2308, 0.2466



6.5367, 0.2990, 0.3284



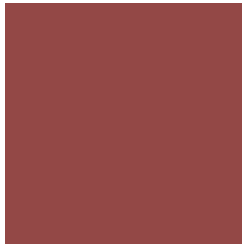
18.9133, 0.2225, 0.3210



0.2380, 0.2237, 0.3252

Previews

White Background



This preview shows how the Yxy color 11.2800, 0.4560, 0.3328 looks on a white background.

Color Contrast Check

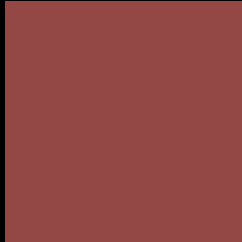
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.2800, 0.4560, 0.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

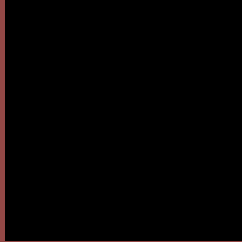
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2800, 0.4560, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 11.2800, 0.4560, 0.3328.



This preview shows how white text looks on a background with the Yxy color 11.2800, 0.4560, 0.3328.

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

11.2800, 0.4560, 0.3328

Protanopia

11.4729, 0.3427, 0.3642

Deuteranopia

11.3981, 0.3872, 0.3817



Tritanopia

11.2313, 0.4454, 0.3208

Trichromacy



Original Color

11.2800, 0.4560, 0.3328

Protanomaly

11.1201, 0.3823, 0.3528

Deuteranomaly

11.1180, 0.4123, 0.3617

Tritanomaly

11.2039, 0.4493, 0.3243

Monochromacy



Original Color

11.2800, 0.4560, 0.3328

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.8222, 0.3606, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2800, 0.4560, 0.3328 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(147, 72, 70)` looks like.

```
.text, #text, p{  
    color:rgb(147, 72, 70)  
}
```

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(147, 72, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 72, 70) }
```

Border

The CSS property to change the border of an element to Yxy 11.2800, 0.4560, 0.3328 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(147, 72, 70) }
```

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

```
.border{ border-color:rgb(147, 72, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 72, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 72, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 72, 70);  
box-shadow:4px 4px 4px 4px rgb(147, 72,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2800, 0.4560, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 72, 70) }
```

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

```
.background{ background-color: rgb(147, 72,  
70) }
```

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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