

Converting Colors

$Yxy(13.0356, 0.5111, 0.3296)$

Have a look what the booklet for
Yxy(13.0356, 0.5111, 0.3296)
contains.

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Color

Yxy(13.0356, 0.5111, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	AE4040
RGB	174, 64, 64
RGB Percent	68%, 25%, 25%
CMY	0.3177, 0.7490, 0.7490
CMYK	0.00, 0.63, 0.63, 0.32
HSL	0°, 46%, 47%
HSV	0°, 63%, 68%
XYZ	20.2139, 13.0356, 6.3003
YIQ	96.8900, 65.5600, 23.3200

Conversions

Conversions Part 2

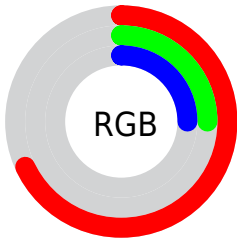
Format	Color
RYB	174, 64, 64
Decimal	11419712
CIELab	42.82, 44.93, 24.05
CIELCh	43, 50.963, 28.161
Yxy	13.0356, 0.5111, 0.3296
Android (android.graphics.Color)	4289609792 (0xFFAE4040)
YUV	96.8900, -16.2148, 67.6255
Hunter-Lab	36.1048, 36.7526, 14.9273

Details

The Yxy color **13.0356, 0.5111, 0.3296** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **34.4111, 0.2378, 0.3288**, and the grayscale version is **11.9549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3849, 0.4612, 0.3349**, and **3.7207, 0.6022, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **11.2025, 0.5581, 0.3297**, and if you desaturate by 10%, it is **15.5439, 0.4648, 0.3295**.

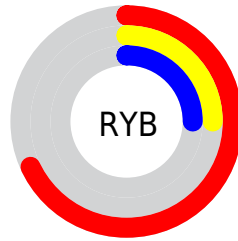
Distribution



Red (68%)

Green (25%)

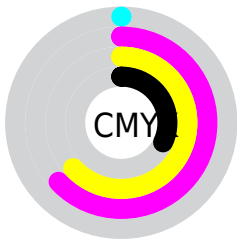
Blue (25%)



Red (68%)

Yellow (25%)

Blue (25%)

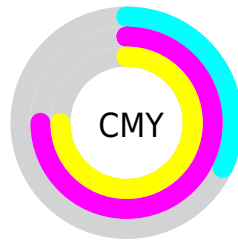


Cyan (0%)

Magenta (63%)

Yellow (63%)

Black (32%)



Cyan (32%)


Magenta (75%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0356, 0.5111, 0.3296 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 13.0356, 0.5111, 0.3296 by changing the saturation by 10% instead.


 13.0356, 0.5111,
0.3296


 13.0356, 0.5111,
0.3296


211.1457, 0.3914,
0.3361


 7.4531, 0.5488,
0.3231


 31.3677, 0.4619,
0.3348

 3.7470, 0.6013,
0.3099

 44.8861, 0.4452,
0.3358

 1.5331, 0.7059,
0.2941

 61.8186, 0.4318,
0.3363

 0.3118, 0.8300,
0.1700

 82.5495, 0.4208,
0.3365

 0.0000, 1.0000,
0.0000

 107.4633, 0.4116,
0.3365

 0.0000, 0.0000,
0.0000

 136.9443, 0.4038,

0.3364

171.3770, 0.3972,
0.3363

■ 13.0356, 0.5111,
0.3296

■ 13.0356, 0.5111,
0.3296

■ 11.2025, 0.5581,
0.3297

■ 15.5439, 0.4648,
0.3295

■ 9.9773, 0.5992,
0.3299

■ 18.7819, 0.4233,
0.3293

■ 9.2830, 0.6273,
0.3299

■ 22.8011, 0.3882,
0.3292

■ 8.9989, 0.6401,
0.3300

■ 27.6478, 0.3595,
0.3291

■ 33.3645, 0.3364,
0.3291

■ 39.9910, 0.3179,
0.3290

■ 47.5645, 0.3030,
0.3290

■ 56.1203, 0.2911,
0.3289

■ 65.6915, 0.2814,
0.3289

Harmonies

Analogous

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



13.0356, 0.4345, 0.2640



13.0356, 0.5111, 0.3296



13.0356, 0.5163, 0.4015

Triad

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



13.0356, 0.5111, 0.3296



13.0356, 0.2745, 0.5066



13.0356, 0.1658, 0.1778

Complementary

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



13.0356, 0.5111, 0.3296



34.4111, 0.2378, 0.3288

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.



13.0356, 0.1402, 0.2065



13.0356, 0.5111, 0.3296



13.0356, 0.1923, 0.3965

Square

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



13.0356, 0.5111, 0.3296



13.0356, 0.3723, 0.5283



13.0356, 0.1474, 0.2785



13.0356, 0.2260, 0.1812

Rectangle

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



13.0356, 0.5111, 0.3296



13.0356, 0.4842, 0.4513



13.0356, 0.1474, 0.2785



13.0356, 0.1536, 0.1834

Sweetspot

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



13.0363, 0.5111, 0.3296



53.9889, 0.3499, 0.3291



15.7204, 0.3194, 0.1865



11.3773, 0.3568, 0.3291



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.0363, 0.5111, 0.3296



19.2778, 0.5762, 0.3298



22.5612, 0.4506, 0.4071



8.0155, 0.3286, 0.3291



6.5273, 0.6401, 0.3300



0.1816, 0.6400, 0.3300

Inverse Universe

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



34.4111, 0.2378, 0.3288



61.2385, 0.2300, 0.3287



17.3384, 0.2145, 0.2275



9.0719, 0.2987, 0.3290



24.1665, 0.2246, 0.3287



0.6723, 0.2247, 0.3287

Previews

White Background



This preview shows how the Yxy color 13.0356, 0.5111, 0.3296 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 13.0356, 0.5111, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 13.0356, 0.5111, 0.3296.



This preview shows how white text looks on a background with the Yxy color 13.0356, 0.5111, 0.3296.

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

13.0356, 0.5111, 0.3296

Protanopia

13.3185, 0.3553, 0.3795

Deuteranopia

13.1400, 0.4130, 0.4065



Tritanopia

12.9589, 0.5068, 0.3244

Trichromacy



Original Color

13.0356, 0.5111, 0.3296

Protanomaly

12.4604, 0.4116, 0.3562

Deuteranomaly

12.5740, 0.4517, 0.3732

Tritanomaly

12.9470, 0.5086, 0.3257

Monochromacy



Original Color

13.0356, 0.5111, 0.3296

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5129, 0.3816, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0356, 0.5111, 0.3296 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(174, 64, 64)` looks like.

```
.text, #text, p{  
    color:rgb(174, 64, 64)  
}
```

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(174, 64, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 64, 64) }
```

Border

The CSS property to change the border of an element to Yxy 13.0356, 0.5111, 0.3296 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(174, 64, 64) }
```

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

```
.border{ border-color:rgb(174, 64, 64) }
```

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

Here you see how a box with a 4 pixel rgb(174, 64, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 64, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 64, 64);  
box-shadow:4px 4px 4px 4px rgb(174, 64,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0356, 0.5111, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 64, 64) }
```

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

```
.background{ background-color: rgb(174, 64,  
64) }
```

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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