

Converting Colors

$Y_{xy}(12.3656, 0.5106, 0.3257)$

Have a look what the booklet for
Yxy(12.3656, 0.5106, 0.3257)
contains.

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Color

Yxy(12.3656, 0.5106, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	AB3D40
RGB	171, 61, 64
RGB Percent	67%, 24%, 25%
CMY	0.3295, 0.7607, 0.7490
CMYK	0.00, 0.64, 0.63, 0.33
HSL	358°, 47%, 45%
HSV	358°, 64%, 67%
XYZ	19.3856, 12.3656, 6.2151
YIQ	94.2320, 64.5970, 24.2530

Conversions

Conversions Part 2

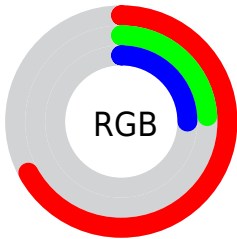
Format	Color
RYB	171, 61, 64
Decimal	11222336
CIELab	41.79, 45.22, 22.63
CIElCh	42, 50.566, 26.591
Yxy	12.3656, 0.5106, 0.3257
Android (android.graphics.Color)	4289412416 (0xFFAB3D40)
YUV	94.2320, -14.9044, 67.3255
Hunter-Lab	35.1648, 36.8648, 14.1363

Details

The Yxy color **12.3656, 0.5106, 0.3257** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **32.9389, 0.2387, 0.3339**, and the grayscale version is **11.2780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1934, 0.4602, 0.3317**, and **3.5686, 0.5993, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **10.6600, 0.5569, 0.3261**, and if you desaturate by 10%, it is **14.7110, 0.4650, 0.3258**.

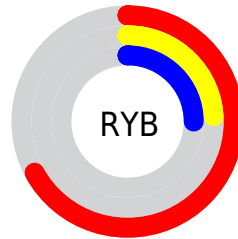
Distribution



Red (67%)

Green (24%)

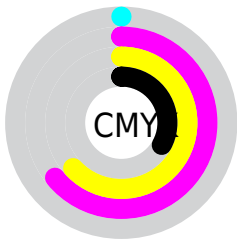
Blue (25%)



Red (67%)

Yellow (24%)

Blue (25%)

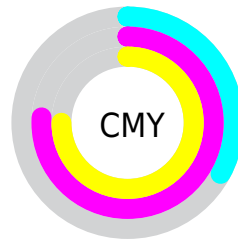


Cyan (0%)

Magenta (64%)

Yellow (63%)

Black (33%)



Cyan (33%)


Magenta (76%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3656, 0.5106, 0.3257 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 12.3656, 0.5106, 0.3257 by changing the saturation by 10% instead.


 12.3656, 0.5106,
0.3257


 12.3656, 0.5106,
0.3257


206.8109, 0.3903,
0.3343


 6.9932, 0.5491,
0.3185


 30.1592, 0.4608,
0.3317


 3.4578, 0.6034,
0.3044

 43.3493, 0.4440,
0.3330


 1.3752, 0.7130,
0.2870

 59.9139, 0.4306,
0.3337

 0.1983, 0.8741,
0.1259

 80.2376, 0.4195,
0.3341

 0.0000, 1.0000,
0.0000

 104.7048, 0.4104,
0.3343

 0.0000, 0.0000,
0.0000

 133.6998, 0.4027,

0.3344

167.6070, 0.3960,
0.3344

■ 12.3656, 0.5106,
0.3257

■ 12.3656, 0.5106,
0.3257

■ 10.6600, 0.5569,
0.3261

■ 14.7110, 0.4650,
0.3258

■ 9.5294, 0.5977,
0.3269

■ 17.7486, 0.4241,
0.3262

■ 8.8990, 0.6260,
0.3282

■ 21.5280, 0.3894,
0.3268

■ 8.6658, 0.6369,
0.3282

■ 26.0934, 0.3609,
0.3275

■ 31.4857, 0.3379,
0.3281

■ 37.7430, 0.3195,
0.3287

■ 44.9009, 0.3047,
0.3293

■ 52.9932, 0.2927,
0.3299

■ 62.0517, 0.2831,
0.3304

Harmonies

Analogous

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



12.3656, 0.4301, 0.2602



12.3656, 0.5106, 0.3257



12.3656, 0.5194, 0.3977

Triad

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



12.3656, 0.5106, 0.3257



12.3656, 0.2790, 0.5123



12.3656, 0.1625, 0.1773

Complementary

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



12.3656, 0.5106, 0.3257



32.9389, 0.2387, 0.3339

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.



12.3656, 0.1385, 0.2080



12.3656, 0.5106, 0.3257



12.3656, 0.1947, 0.4040

Square

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



12.3656, 0.5106, 0.3257



12.3656, 0.3776, 0.5286



12.3656, 0.1475, 0.2830



12.3656, 0.2211, 0.1792

Rectangle

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



12.3656, 0.5106, 0.3257



12.3656, 0.4887, 0.4479



12.3656, 0.1475, 0.2830



12.3656, 0.1509, 0.1835

Sweetspot

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



12.3663, 0.5106, 0.3257



51.3563, 0.3489, 0.3278



14.5298, 0.3145, 0.1826



10.8662, 0.3555, 0.3276



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



12.3663, 0.5106, 0.3257



18.1578, 0.5745, 0.3263



20.6562, 0.4575, 0.4027



8.0187, 0.3282, 0.3284



6.5357, 0.6364, 0.3280



0.1829, 0.6207, 0.3193

Inverse Universe

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



12.3663, 0.5106, 0.3257



18.1578, 0.5745, 0.3263



17.2860, 0.2148, 0.2328



8.0187, 0.3282, 0.3284



6.5357, 0.6364, 0.3280



0.1829, 0.6207, 0.3193

Previews

White Background



This preview shows how the Yxy color 12.3656, 0.5106, 0.3257 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 12.3656, 0.5106, 0.3257 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 12.3656, 0.5106, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 12.3656, 0.5106, 0.3257.



This preview shows how white text looks on a background with the Yxy color 12.3656, 0.5106, 0.3257.

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

12.3656, 0.5106, 0.3257

Protanopia

12.5061, 0.3490, 0.3719

Deuteranopia

12.5549, 0.4103, 0.4043



Tritanopia

12.3771, 0.5088, 0.3243

Trichromacy



Original Color

12.3656, 0.5106, 0.3257

Protanomaly

11.6585, 0.4076, 0.3510

Deuteranomaly

12.0017, 0.4495, 0.3706

Tritanomaly

12.3771, 0.5088, 0.3243

Monochromacy



Original Color

12.3656, 0.5106, 0.3257

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.7967, 0.3819, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3656, 0.5106, 0.3257 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(171, 61, 64)` looks like.

```
.text, #text, p{  
    color:rgb(171, 61, 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(171, 61, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 61, 64) }
```

Border

The CSS property to change the border of an element to Yxy 12.3656, 0.5106, 0.3257 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(171, 61, 64) }
```

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

```
.border{ border-color:rgb(171, 61, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 61, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 61, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 61, 64);  
box-shadow:4px 4px 4px 4px rgb(171, 61,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3656, 0.5106, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 61, 64) }
```

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

```
.background{ background-color: rgb(171, 61,  
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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