

Converting Colors

$Y_{xy}(12.7201, 0.5336, 0.3461)$

Have a look what the booklet for
Yxy(12.7201, 0.5336, 0.3461)
contains.

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Color

Yxy(12.6695, 0.5339, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	AD3F32
RGB	173, 63, 50
RGB Percent	68%, 25%, 20%
CMY	0.3215, 0.7530, 0.8039
CMYK	0.00, 0.64, 0.71, 0.32
HSL	6°, 55%, 44%
HSV	6°, 71%, 68%
XYZ	19.5895, 12.6695, 4.4323
YIQ	94.4080, 69.7330, 19.2770

Conversions

Conversions Part 2

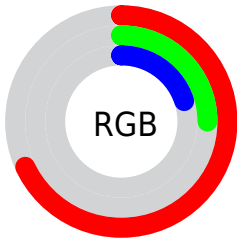
Format	Color
R _Y B	173, 65, 50
Decimal	11353906
CIE Lab	42.26, 44.22, 31.65
CIE LCh	42, 54.381, 35.592
Yxy	12.6695, 0.5339, 0.3453
Android (android.graphics.Color)	4289543986 (0xFFAD3F32)
YUV	94.4080, -21.8931, 68.9252
Hunter-Lab	35.5942, 35.9485, 17.5330

Details

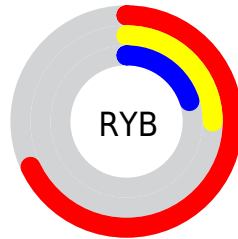
The Yxy color **12.6695, 0.5339, 0.3453** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.8516, 0.2274, 0.3060**, and the grayscale version is **11.3356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8463, 0.4799, 0.3497**, and **3.5884, 0.6320, 0.3255** is the 20% darker color. If you saturate the color by 10%, you get **11.0684, 0.5761, 0.3438**, and if you desaturate by 10%, it is **14.8103, 0.4895, 0.3449**.

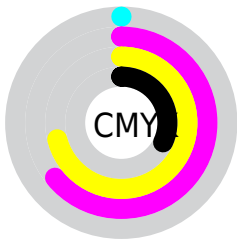
Distribution



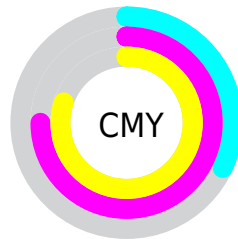
- Red (68%)
- Green (25%)
- Blue (20%)



- Red (68%)
- Yellow (25%)
- Blue (20%)



- Cyan (0%)
- Magenta (64%)
- Yellow (71%)
- Black (32%)





- Cyan (32%)
- Magenta (75%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6695, 0.5339, 0.3453 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 12.6695, 0.5339, 0.3453 by changing the saturation by 10% instead.


 12.6695, 0.5339,
0.3453


 12.6695, 0.5339,
0.3453

208.7885, 0.4014,
0.3455


 7.2014, 0.5737,
0.3386


 30.7087, 0.4803,
0.3492


 3.5883, 0.6315,
0.3258

 44.0486, 0.4617,
0.3493

 1.4461, 0.7065,
0.2935

 60.7812, 0.4468,
0.3489

 0.2503, 0.8495,
0.1505

 81.2909, 0.4344,
0.3484

 0.0000, 1.0000,
0.0000

 105.9621, 0.4241,
0.3477

 0.0000, 0.0000,
0.0000

 135.1792, 0.4154,

0.3469

169.3265, 0.4079,
0.3462

■ 12.6695, 0.5339,
0.3453

■ 12.6695, 0.5339,
0.3453

■ 11.0684, 0.5761,
0.3438

■ 14.8103, 0.4895,
0.3449

■ 9.9566, 0.6101,
0.3404

■ 17.5310, 0.4475,
0.3432

■ 9.3266, 0.6310,
0.3371

■ 20.8706, 0.4104,
0.3406

■ 24.8640, 0.3790,
0.3378

■ 29.5435, 0.3530,
0.3348

■ 34.9393, 0.3317,
0.3319

■ 41.0797, 0.3144,
0.3293

■ 47.9916, 0.3003,
0.3268

■ 55.7005, 0.2887,
0.3246

Harmonies

Analogous

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



12.6695, 0.4699, 0.2753



12.6695, 0.5339, 0.3453



12.6695, 0.5184, 0.4218

Triad

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



12.6695, 0.5339, 0.3453



12.6695, 0.2457, 0.4997



12.6695, 0.1692, 0.1672

Complementary

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



12.6695, 0.5339, 0.3453



28.8516, 0.2274, 0.3060

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.



12.6695, 0.1343, 0.1872



12.6695, 0.5339, 0.3453



12.6695, 0.1681, 0.3664

Square

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



12.6695, 0.5339, 0.3453



12.6695, 0.3476, 0.5478



12.6695, 0.1326, 0.2495



12.6695, 0.2419, 0.1783

Rectangle

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



12.6695, 0.5339, 0.3453



12.6695, 0.4745, 0.4751



12.6695, 0.1326, 0.2495



12.6695, 0.1537, 0.1701

Sweetspot

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



12.6702, 0.5339, 0.3453



52.6537, 0.3537, 0.3349



13.7316, 0.3375, 0.1870



10.9344, 0.3601, 0.3357



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.



12.6702, 0.5339, 0.3453



18.6427, 0.5958, 0.3422



23.4852, 0.4568, 0.4292



8.1463, 0.3284, 0.3315



6.8935, 0.6299, 0.3381



0.2341, 0.5934, 0.3671

Inverse Universe

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



28.8516, 0.2274, 0.3060



49.0568, 0.2194, 0.3005



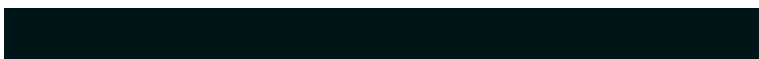
12.6607, 0.1983, 0.1882



8.9256, 0.2986, 0.3265



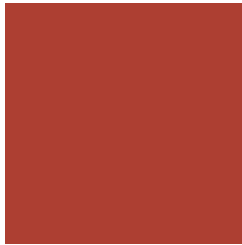
19.4275, 0.2156, 0.2960



0.5809, 0.2186, 0.3069

Previews

White Background



This preview shows how the Yxy color 12.6695, 0.5339, 0.3453 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 12.6695, 0.5339, 0.3453 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 12.6695, 0.5339, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 12.6695, 0.5339, 0.3453.



This preview shows how white text looks on a background with the Yxy color 12.6695, 0.5339, 0.3453.

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

12.6695, 0.5339, 0.3453

Protanopia

12.9812, 0.3799, 0.4116

Deuteranopia

12.9001, 0.4350, 0.4291



Tritanopia

12.7178, 0.5123, 0.3245

Trichromacy



Original Color

12.6695, 0.5339, 0.3453

Protanomaly

12.1084, 0.4386, 0.3836

Deuteranomaly

12.2887, 0.4737, 0.3928

Tritanomaly

12.7702, 0.5200, 0.3321

Monochromacy



Original Color

12.6695, 0.5339, 0.3453

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.9475, 0.3920, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6695, 0.5339, 0.3453 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(173, 63, 50)` looks like.

```
.text, #text, p{  
    color:rgb(173, 63, 50)  
}
```

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(173, 63, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 63, 50) }
```

Border

The CSS property to change the border of an element to Yxy 12.6695, 0.5339, 0.3453 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(173, 63, 50) }
```

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

```
.border{ border-color:rgb(173, 63, 50) }
```

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

Here you see how a box with a 4 pixel rgb(173, 63, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 63, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 63, 50);  
box-shadow:4px 4px 4px 4px rgb(173, 63,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6695, 0.5339, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 63, 50) }
```

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

```
.background{ background-color: rgb(173, 63,  
50) }
```

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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