

Converting Colors

$Y_{xy}(12.3375, 0.5509, 0.3636)$

Have a look what the booklet for
Yxy(12.3375, 0.5509, 0.3636)
contains.

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Color

Yxy(12.3283, 0.5510, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	AA4022
RGB	170, 64, 34
RGB Percent	67%, 25%, 13%
CMY	0.3334, 0.7489, 0.8666
CMYK	0.00, 0.62, 0.80, 0.33
HSL	13°, 67%, 40%
HSV	13°, 80%, 67%
XYZ	18.6978, 12.3283, 2.9082
YIQ	92.2740, 72.8060, 13.1420

Conversions

Conversions Part 2

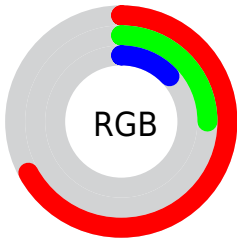
Format	Color
R _{YB}	170, 72, 34
Decimal	11157538
CIE Lab	41.73, 41.94, 39.76
CIE LCh	42, 57.792, 43.465
Yxy	12.3283, 0.5510, 0.3633
Android (android.graphics.Color)	4289347618 (0xFFAA4022)
YUV	92.2740, -28.7291, 68.1657
Hunter-Lab	35.1117, 33.6098, 19.6674

Details

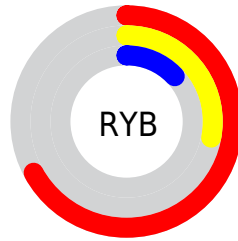
The Yxy color **12.3283, 0.5510, 0.3633** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **21.9918, 0.2144, 0.2727**, and the grayscale version is **10.8258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0738, 0.4949, 0.3658**, and **3.4880, 0.6342, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **10.9328, 0.5856, 0.3587**, and if you desaturate by 10%, it is **14.1287, 0.5116, 0.3643**.

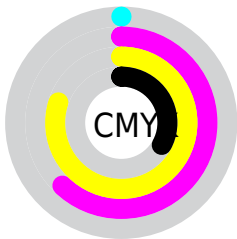
Distribution



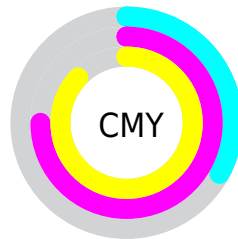
- Red (67%)
- Green (25%)
- Blue (13%)



- Red (67%)
- Yellow (28%)
- Blue (13%)



- Cyan (0%)
- Magenta (62%)
- Yellow (80%)
- Black (33%)




- Cyan (33%)
- Magenta (75%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3283, 0.5510, 0.3633 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 12.3283, 0.5510, 0.3633 by changing the saturation by 10% instead.

 12.3283, 0.5510,
0.3633


 12.3283, 0.5510,
0.3633


206.5668, 0.4103,
0.3565


 6.9677, 0.5904,
0.3560


 30.0916, 0.4954,
0.3659


 3.4419, 0.6542,
0.3458

 43.2631, 0.4757,
0.3651


 1.3666, 0.7009,
0.2991

 59.8071, 0.4596,
0.3637

 0.1919, 0.8680,
0.1320

 80.1078, 0.4463,
0.3622

 0.0000, 1.0000,
0.0000

 104.5498, 0.4351,
0.3607

 0.0000, 0.0000,
0.0000

 133.5173, 0.4255,

0.3592

167.3948, 0.4174,
0.3578

12.3283, 0.5510,
0.3633

12.3283, 0.5510,
0.3633

10.9328, 0.5856,
0.3587

14.1287, 0.5116,
0.3643

9.9006, 0.6128,
0.3516

16.3612, 0.4718,
0.3621

9.8999, 0.6128,
0.3516

19.0530, 0.4346,
0.3578

22.2283, 0.4016,
0.3523

25.9097, 0.3732,
0.3463

■ 30.1182, 0.3493,
0.3403

■ 34.8737, 0.3293,
0.3345

■ 40.1950, 0.3127,
0.3290

■ 46.1000, 0.2989,
0.3240

Harmonies

Analogous

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



12.3283, 0.5067, 0.2894



12.3283, 0.5510, 0.3633



12.3283, 0.5126, 0.4451

Triad

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



12.3283, 0.5510, 0.3633



12.3283, 0.2147, 0.4808



12.3283, 0.1771, 0.1591

Complementary

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



12.3283, 0.5510, 0.3633



21.9918, 0.2144, 0.2727

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.



12.3283, 0.1316, 0.1700



12.3283, 0.5510, 0.3633



12.3283, 0.1454, 0.3296

Square

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



12.3283, 0.5510, 0.3633



12.3283, 0.3177, 0.5635



12.3283, 0.1206, 0.2207



12.3283, 0.2643, 0.1783

Rectangle

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



12.3283, 0.5510, 0.3633



12.3283, 0.4573, 0.5020



12.3283, 0.1206, 0.2207



12.3283, 0.1578, 0.1592

Sweetspot

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



12.3290, 0.5510, 0.3633



51.1423, 0.3594, 0.3429



11.5982, 0.3677, 0.1945



10.8230, 0.3679, 0.3450



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.



12.3290, 0.5510, 0.3633



18.3417, 0.6063, 0.3527



25.0166, 0.4546, 0.4542



7.8009, 0.3280, 0.3340



7.3544, 0.6110, 0.3530



0.2507, 0.5516, 0.4002

Inverse Universe

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



21.9918, 0.2144, 0.2727



35.9242, 0.2057, 0.2586



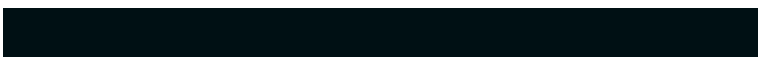
7.9465, 0.1794, 0.1389



8.2470, 0.2987, 0.3239



14.4558, 0.2049, 0.2576



0.4195, 0.2122, 0.2838

Previews

White Background



This preview shows how the Yxy color 12.3283, 0.5510, 0.3633 looks on a white background.

Color Contrast Check

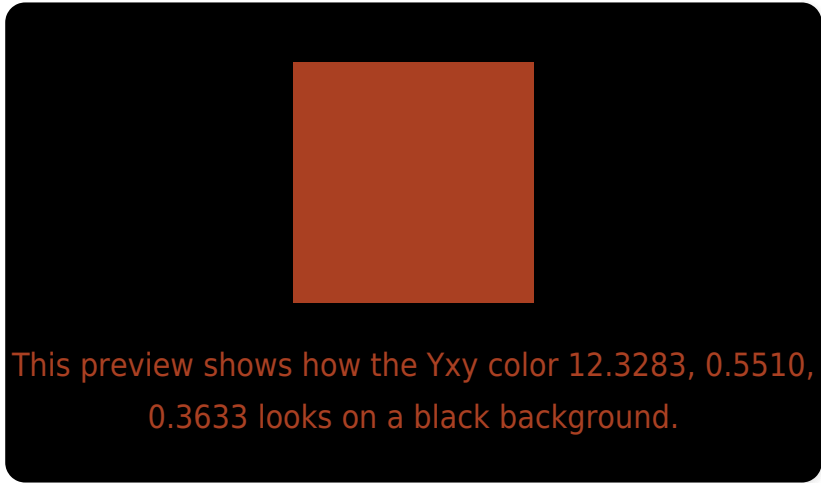
Large Text (above 18pt) WCAG AA ✓ Pass

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

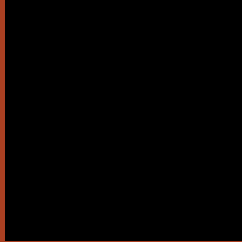
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3283, 0.5510, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 12.3283, 0.5510, 0.3633.



This preview shows how white text looks on a background with the Yxy color 12.3283, 0.5510, 0.3633.

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

12.3283, 0.5510, 0.3633

Protanopia

12.4205, 0.4060, 0.4444

Deuteranopia

12.4356, 0.4557, 0.4485



Tritanopia

12.3656, 0.5106, 0.3257

Trichromacy



Original Color

12.3283, 0.5510, 0.3633

Protanomaly

11.7143, 0.4639, 0.4109

Deuteranomaly

11.9331, 0.4949, 0.4133

Tritanomaly

12.3602, 0.5283, 0.3408

Monochromacy



Original Color

12.3283, 0.5510, 0.3633

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.4826, 0.4001, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3283, 0.5510, 0.3633 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(170, 64, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 64, 34)  
}
```

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(170, 64, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 64, 34) }
```

Border

The CSS property to change the border of an element to Yxy 12.3283, 0.5510, 0.3633 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(170, 64, 34) }
```

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

```
.border{ border-color:rgb(170, 64, 34) }
```

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

Here you see how a box with a 4 pixel rgb(170, 64, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 64, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 64, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 64,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3283, 0.5510, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 64, 34) }
```

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

```
.background{ background-color: rgb(170, 64,  
34) }
```

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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