

Converting Colors

$Y_{xy}(20.9379, 0.4323, 0.3628)$

Have a look what the booklet for
Yxy(20.9379, 0.4323, 0.3628)
contains.

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Color

Yxy(20.9539, 0.4330, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	AF6E57
RGB	175, 110, 87
RGB Percent	69%, 43%, 34%
CMY	0.3138, 0.5686, 0.6588
CMYK	0.00, 0.37, 0.50, 0.31
HSL	16°, 35%, 51%
HSV	16°, 50%, 69%
XYZ	24.9740, 20.9539, 11.7487
YIQ	126.8130, 46.1230, 6.6270

Conversions

Conversions Part 2

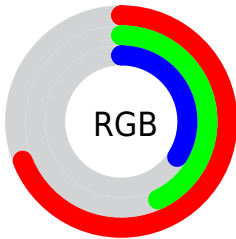
Format	Color
R_{YB}	175, 118, 87
Decimal	11497047
CIE _{Lab}	52.90, 23.27, 23.58
CIE _{LCh}	53, 33.126, 45.375
Yxy	20.9539, 0.4330, 0.3633
Android (android.graphics.Color)	4289687127 (0xFFAF6E57)
YUV	126.8130, -19.6278, 42.2600
Hunter-Lab	45.7754, 17.2782, 16.8254

Details

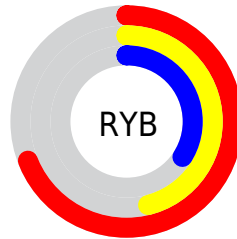
The Yxy color **20.9539, 0.4330, 0.3633** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **27.5769, 0.2407, 0.2899**, and the grayscale version is **21.2137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9704, 0.4062, 0.3579**, and **7.4195, 0.4810, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **18.1137, 0.4689, 0.3685**, and if you desaturate by 10%, it is **24.2724, 0.4009, 0.3568**.

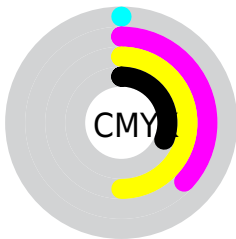
Distribution



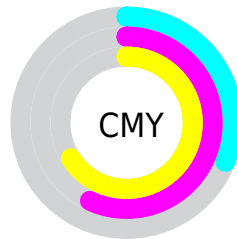
- Red (69%)
- Green (43%)
- Blue (34%)



- Red (69%)
- Yellow (46%)
- Blue (34%)



- Cyan (0%)
- Magenta (37%)
- Yellow (50%)
- Black (31%)





- Cyan (31%)
- Magenta (57%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9539, 0.4330, 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 20.9539, 0.4330, 0.3633 by changing the saturation by 10% instead.


 20.9539, 0.4330,
0.3633


 20.9539, 0.4330,
0.3633


257.0334, 0.3646,
0.3470

 13.0903, 0.4530,
0.3664


 45.0108, 0.4060,
0.3579

 7.4908, 0.4805,
0.3692


 61.9729, 0.3965,
0.3557

 3.7709, 0.5198,
0.3703

 82.7366, 0.3887,
0.3537

 1.5462, 0.6137,
0.3863

 107.6864, 0.3823,
0.3520

 0.3209, 0.7313,
0.2687

 137.2065, 0.3768,
0.3505

 0.0000, 0.0000,
0.0000

171.6815, 0.3721,

0.3492

211.4956, 0.3681,
0.3480

■ 20.9539, 0.4330,
0.3633

■ 20.9539, 0.4330,
0.3633

■ 18.1137, 0.4689,
0.3685

■ 24.2724, 0.4009,
0.3568

■ 15.7261, 0.5071,
0.3712

■ 28.0871, 0.3732,
0.3497

■ 13.7674, 0.5448,
0.3706

■ 32.4188, 0.3496,
0.3425

■ 12.2104, 0.5783,
0.3657

■ 37.2863, 0.3298,
0.3356

■ 11.0459, 0.6045,
0.3582

■ 42.7071, 0.3131,
0.3292

■ 48.6982, 0.2992,
0.3232

■ 55.2757, 0.2875,
0.3177

■ 62.4552, 0.2776,
0.3127

■ 70.2515, 0.2692,
0.3082

Harmonies

Analogous

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



20.9539, 0.4092, 0.3169



20.9539, 0.4330, 0.3633



20.9539, 0.4205, 0.4070

Triad

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



20.9539, 0.4330, 0.3633



20.9539, 0.2647, 0.3922



20.9539, 0.2434, 0.2346

Complementary

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



20.9539, 0.4330, 0.3633



27.5769, 0.2407, 0.2899

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.



20.9539, 0.2127, 0.2438



20.9539, 0.4330, 0.3633



20.9539, 0.2234, 0.3307

Square

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



20.9539, 0.4330, 0.3633



20.9539, 0.3214, 0.4333



20.9539, 0.2056, 0.2764



20.9539, 0.2946, 0.2465

Rectangle

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



20.9539, 0.4330, 0.3633



20.9539, 0.3950, 0.4289



20.9539, 0.2056, 0.2764



20.9539, 0.2307, 0.2352

Sweetspot

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



20.9549, 0.4330, 0.3633



62.3184, 0.3392, 0.3390



18.2316, 0.3471, 0.2358



13.4552, 0.3434, 0.3405



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.



20.9549, 0.4330, 0.3633



32.0907, 0.4717, 0.3688



32.5819, 0.3995, 0.4228



8.3431, 0.3280, 0.3350



7.9991, 0.6025, 0.3598



0.3118, 0.5439, 0.4063

Inverse Universe

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



27.5769, 0.2407, 0.2899



45.1753, 0.2283, 0.2798



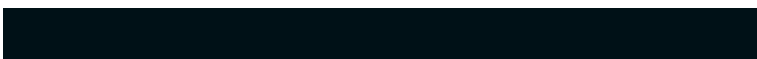
16.0613, 0.2257, 0.2115



8.7124, 0.2986, 0.3229



13.6134, 0.2010, 0.2434



0.4611, 0.2090, 0.2723

Previews

White Background



This preview shows how the Yxy color 20.9539, 0.4330, 0.3633 looks on a white 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

Black Background



This preview shows how the Yxy color 20.9539, 0.4330, 0.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

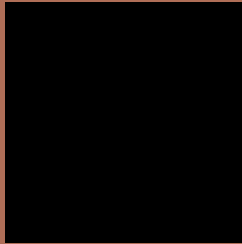
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9539, 0.4330, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 20.9539, 0.4330, 0.3633.



This preview shows how white text looks on a background with the Yxy color 20.9539, 0.4330, 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

20.9539, 0.4330, 0.3633

Protanopia

21.2211, 0.3618, 0.3885

Deuteranopia

21.0060, 0.3971, 0.3893



Tritanopia

20.8701, 0.4003, 0.3174

Trichromacy



Original Color

20.9539, 0.4330, 0.3633

Protanomaly

20.9141, 0.3871, 0.3801

Deuteranomaly

20.8680, 0.4094, 0.3791

Tritanomaly

20.7450, 0.4129, 0.3338

Monochromacy



Original Color

20.9539, 0.4330, 0.3633

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.7739, 0.3529, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9539, 0.4330, 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(175, 110, 87)` looks like.

```
.text, #text, p{  
    color:rgb(175, 110, 87)  
}
```

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(175, 110, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 110, 87) }
```

Border

The CSS property to change the border of an element to Yxy 20.9539, 0.4330, 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(175, 110, 87) }
```

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

```
.border{ border-color:rgb(175, 110, 87) }
```

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

Here you see how a box with a 4 pixel rgb(175, 110, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 110, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 110, 87);  
box-shadow:4px 4px 4px 4px rgb(175, 110,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9539, 0.4330, 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(175, 110, 87) }
```

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

```
.background{ background-color: rgb(175,  
110, 87) }
```

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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