

Converting Colors

$Y_{xy}(20.3687, 0.4123, 0.3462)$

Have a look what the booklet for
Yxy(20.3687, 0.4123, 0.3462)
contains.

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Color

Yxy(20.3652, 0.4123, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	AA6D62
RGB	170, 109, 98
RGB Percent	67%, 43%, 38%
CMY	0.3333, 0.5726, 0.6157
CMYK	0.00, 0.36, 0.42, 0.33
HSL	9°, 30%, 53%
HSV	9°, 42%, 67%
XYZ	24.2535, 20.3652, 14.2062
YIQ	125.9850, 39.8870, 9.5110

Conversions

Conversions Part 2

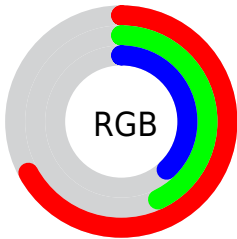
Format	Color
R _{YB}	170, 111, 98
Decimal	11169122
CIE Lab	52.25, 22.97, 16.23
CIE LCh	52, 28.123, 35.247
Yxy	20.3652, 0.4123, 0.3462
Android (android.graphics.Color)	4289359202 (0xFFAA6D62)
YUV	125.9850, -13.7966, 38.6012
Hunter-Lab	45.1278, 16.9595, 12.9250

Details

The Yxy color **20.3652, 0.4123, 0.3462** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.3014, 0.2531, 0.3105**, and the grayscale version is **20.8967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9906, 0.3890, 0.3433**, and **7.2303, 0.4512, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **17.2530, 0.4485, 0.3498**, and if you desaturate by 10%, it is **24.0513, 0.3813, 0.3421**.

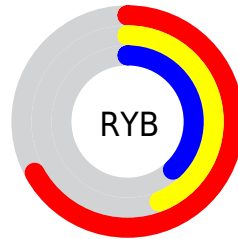
Distribution



Red (67%)

Green (43%)

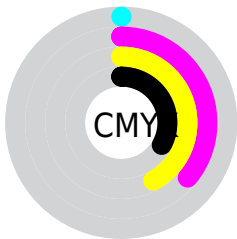
Blue (38%)



Red (67%)

Yellow (44%)

Blue (38%)

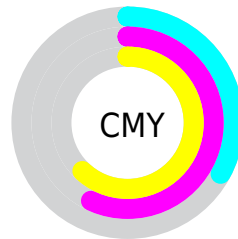


Cyan (0%)

Magenta (36%)

Yellow (42%)

Black (33%)



Cyan (33%)


Magenta (57%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3652, 0.4123, 0.3462 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 20.3652, 0.4123, 0.3462 by changing the saturation by 10% instead.


 20.3652, 0.4123,
0.3462


 20.3652, 0.4123,
0.3462


253.8854, 0.3552,
0.3383


 12.6608, 0.4295,
0.3475


 44.0286, 0.3895,
0.3437


 7.1954, 0.4536,
0.3485


 60.7564, 0.3816,
0.3426

 3.5846, 0.4894,
0.3482

 81.2608, 0.3751,
0.3417

 1.4440, 0.5635,
0.3530

 105.9262, 0.3698,
0.3409

 0.2488, 0.7621,
0.2379

135.1369, 0.3653,
0.3401

 0.0000, 0.0000,
0.0000

169.2774, 0.3614,

0.3395

208.7321, 0.3581,
0.3389

■ 20.3652, 0.4123,
0.3462

■ 20.3652, 0.4123,
0.3462

■ 17.2530, 0.4485,
0.3498

■ 24.0513, 0.3813,
0.3421

■ 14.6828, 0.4892,
0.3523

■ 28.3352, 0.3554,
0.3378

■ 12.6241, 0.5319,
0.3529


■ 33.2428, 0.3340,
0.3337

■ 11.0424, 0.5725,
0.3509

■ 38.7980, 0.3164,
0.3299

■ 9.8985, 0.6056,
0.3462


■ 45.0230, 0.3019,
0.3263

 9.2855, 0.6247,
0.3422

 51.9394, 0.2900,
0.3231

 59.5674, 0.2800,
0.3201

 67.9266, 0.2718,
0.3175

 77.0359, 0.2648,
0.3150

Harmonies

Analogous

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



20.3652, 0.3821, 0.3060



20.3652, 0.4123, 0.3462



20.3652, 0.4125, 0.3858

Triad

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



20.3652, 0.4123, 0.3462



20.3652, 0.2875, 0.3972



20.3652, 0.2414, 0.2474

Complementary

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



20.3652, 0.4123, 0.3462



30.3014, 0.2531, 0.3105

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.



20.3652, 0.2211, 0.2629



20.3652, 0.4123, 0.3462



20.3652, 0.2457, 0.3489

Square

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



20.3652, 0.4123, 0.3462



20.3652, 0.3384, 0.4221



20.3652, 0.2224, 0.2986



20.3652, 0.2809, 0.2515

Rectangle

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



20.3652, 0.4123, 0.3462



20.3652, 0.3965, 0.4074



20.3652, 0.2224, 0.2986



20.3652, 0.2323, 0.2503

Sweetspot

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



20.3662, 0.4123, 0.3462



59.4777, 0.3357, 0.3341



19.7931, 0.3308, 0.2405



12.8181, 0.3401, 0.3350



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.



20.3662, 0.4123, 0.3462



31.5226, 0.4468, 0.3497



29.6226, 0.3890, 0.3989



7.7205, 0.3282, 0.3325



6.8833, 0.6232, 0.3434



0.2206, 0.5735, 0.3828

Inverse Universe

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



30.3014, 0.2531, 0.3105



51.9546, 0.2422, 0.3057



19.7156, 0.2427, 0.2466



8.3339, 0.2987, 0.3255



16.8805, 0.2113, 0.2806



0.4617, 0.2162, 0.2981

Previews

White Background



This preview shows how the Yxy color 20.3652, 0.4123, 0.3462 looks on a white background.

Color Contrast Check

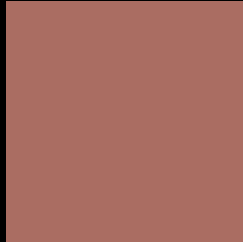
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3652, 0.4123, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

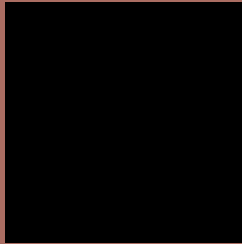
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3652, 0.4123, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 20.3652, 0.4123, 0.3462.



This preview shows how white text looks on a background with the Yxy color 20.3652, 0.4123, 0.3462.

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

20.3652, 0.4123, 0.3462

Protanopia

20.5927, 0.3445, 0.3657

Deuteranopia

20.4805, 0.3775, 0.3706



Tritanopia

20.4111, 0.3905, 0.3170

Trichromacy



Original Color

20.3652, 0.4123, 0.3462

Protanomaly

20.2640, 0.3690, 0.3587

Deuteranomaly

20.3224, 0.3892, 0.3608

Tritanomaly

20.4872, 0.3986, 0.3277

Monochromacy



Original Color

20.3652, 0.4123, 0.3462

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4447, 0.3456, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3652, 0.4123, 0.3462 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, 109, 98)` looks like.

```
.text, #text, p{  
    color:rgb(170, 109, 98)  
}
```

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, 109, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 109, 98) }
```

Border

The CSS property to change the border of an element to Yxy 20.3652, 0.4123, 0.3462 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, 109, 98) }
```

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

```
.border{ border-color:rgb(170, 109, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 109, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 109, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 109, 98);  
box-shadow:4px 4px 4px 4px rgb(170, 109,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3652, 0.4123, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 109, 98) }
```

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

```
.background{ background-color: rgb(170,  
109, 98) }
```

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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