

Converting Colors

$Y_{xy}(20.9501, 0.4150, 0.3565)$

Have a look what the booklet for
Yxy(20.9501, 0.4150, 0.3565)
contains.

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Color

Yxy(20.9425, 0.4157, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	AA705E
RGB	170, 112, 94
RGB Percent	67%, 44%, 37%
CMY	0.3333, 0.5608, 0.6314
CMYK	0.00, 0.34, 0.45, 0.33
HSL	14°, 31%, 52%
HSV	14°, 45%, 67%
XYZ	24.3928, 20.9425, 13.3436
YIQ	127.2900, 40.3460, 6.6980

Conversions

Conversions Part 2

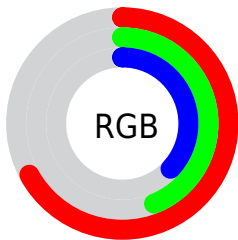
Format	Color
R_{YB}	170, 118, 94
Decimal	11169886
CIE _{Lab}	52.89, 20.82, 19.43
CIE _{LCh}	53, 28.476, 43.019
Yxy	20.9425, 0.4157, 0.3569
Android (android.graphics.Color)	4289359966 (0xFFAA705E)
YUV	127.2900, -16.4120, 37.4567
Hunter-Lab	45.7630, 15.0598, 14.7463

Details

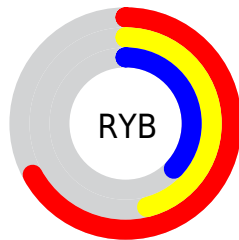
The Yxy color **20.9425, 0.4157, 0.3569** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.7363, 0.2484, 0.2982**, and the grayscale version is **21.3758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8954, 0.3927, 0.3527**, and **7.5250, 0.4556, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **18.0118, 0.4503, 0.3623**, and if you desaturate by 10%, it is **24.3550, 0.3855, 0.3506**.

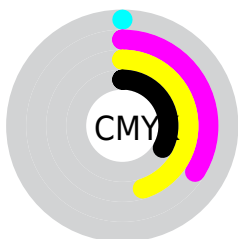
Distribution



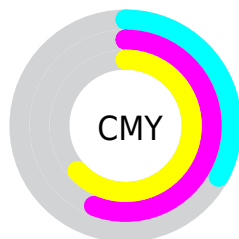
- Red (67%)
- Green (44%)
- Blue (37%)



- Red (67%)
- Yellow (46%)
- Blue (37%)



- Cyan (0%)
- Magenta (34%)
- Yellow (45%)
- Black (33%)




- Cyan (33%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9425, 0.4157, 0.3569 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 20.9425, 0.4157, 0.3569 by changing the saturation by 10% instead.


 20.9425, 0.4157,
0.3569


 20.9425, 0.4157,
0.3569


256.9728, 0.3570,
0.3433


 13.0820, 0.4331,
0.3597


 44.9918, 0.3924,
0.3522

 7.4850, 0.4574,
0.3627


 61.9494, 0.3842,
0.3504

 3.7672, 0.4928,
0.3649


 82.7081, 0.3776,
0.3488

 1.5442, 0.5730,
0.3791

 107.6524, 0.3721,
0.3474

 0.3196, 0.7176,
0.2824

137.1666, 0.3674,
0.3462

 0.0000, 0.0000,
0.0000

171.6351, 0.3634,

0.3451

211.4424, 0.3600,
0.3441

■ 20.9425, 0.4157,
0.3569

■ 20.9425, 0.4157,
0.3569

■ 18.0118, 0.4503,
0.3623

■ 24.3550, 0.3855,
0.3506

■ 15.5376, 0.4883,
0.3661

■ 28.2667, 0.3598,
0.3441

■ 13.4974, 0.5277,
0.3671


■ 32.6980, 0.3382,
0.3378

■ 11.8649, 0.5649,
0.3645


■ 37.6672, 0.3202,
0.3317


■ 10.6108, 0.5956,
0.3580


■ 43.1916, 0.3051,
0.3261

 10.0836, 0.6095,
0.3543

 49.2879, 0.2925,
0.3209

 55.9720, 0.2819,
0.3162

 63.2591, 0.2730,
0.3120

 71.1640, 0.2655,
0.3081

Harmonies

Analogous

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



20.9425, 0.3927, 0.3160



20.9425, 0.4157, 0.3569



20.9425, 0.4080, 0.3951

Triad

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



20.9425, 0.4157, 0.3569



20.9425, 0.2752, 0.3864



20.9425, 0.2498, 0.2465

Complementary

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



20.9425, 0.4157, 0.3569



27.7363, 0.2484, 0.2982

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.



20.9425, 0.2241, 0.2567



20.9425, 0.4157, 0.3569



20.9425, 0.2374, 0.3352

Square

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



20.9425, 0.4157, 0.3569



20.9425, 0.3251, 0.4190



20.9425, 0.2196, 0.2874



20.9425, 0.2935, 0.2553

Rectangle

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



20.9425, 0.4157, 0.3569



20.9425, 0.3876, 0.4140



20.9425, 0.2196, 0.2874



20.9425, 0.2390, 0.2476

Sweetspot

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



20.9435, 0.4157, 0.3569



60.5926, 0.3353, 0.3368



18.8262, 0.3404, 0.2440



13.1001, 0.3396, 0.3382



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.



20.9435, 0.4157, 0.3569



32.5482, 0.4512, 0.3625



31.0832, 0.3898, 0.4113



7.8202, 0.3280, 0.3344



7.4913, 0.6077, 0.3557



0.2579, 0.5469, 0.4039

Inverse Universe

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



27.7363, 0.2484, 0.2982



46.4388, 0.2360, 0.2898



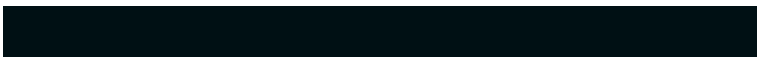
17.3752, 0.2366, 0.2294



8.2263, 0.2987, 0.3235



13.9128, 0.2033, 0.2520



0.4098, 0.2112, 0.2803

Previews

White Background



This preview shows how the Yxy color 20.9425, 0.4157, 0.3569 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 20.9425, 0.4157, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

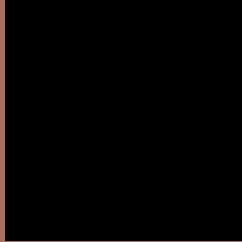
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9425, 0.4157, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 20.9425, 0.4157, 0.3569.



This preview shows how white text looks on a background with the Yxy color 20.9425, 0.4157, 0.3569.

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

20.9425, 0.4157, 0.3569

Protanopia

21.0122, 0.3527, 0.3743

Deuteranopia

20.9315, 0.3859, 0.3784



Tritanopia

20.9923, 0.3880, 0.3170

Trichromacy



Original Color

20.9425, 0.4157, 0.3569

Protanomaly

20.8525, 0.3757, 0.3686

Deuteranomaly

20.9153, 0.3958, 0.3703

Tritanomaly

20.9139, 0.3975, 0.3308

Monochromacy



Original Color

20.9425, 0.4157, 0.3569

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.9965, 0.3475, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9425, 0.4157, 0.3569 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, 112, 94)` looks like.

```
.text, #text, p{  
    color:rgb(170, 112, 94)  
}
```

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, 112, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 112, 94) }
```

Border

The CSS property to change the border of an element to Yxy 20.9425, 0.4157, 0.3569 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, 112, 94) }
```

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

```
.border{ border-color:rgb(170, 112, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 112, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 112, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 112, 94);  
box-shadow:4px 4px 4px 4px rgb(170, 112,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9425, 0.4157, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 112, 94) }
```

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

```
.background{ background-color: rgb(170,  
112, 94) }
```

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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