

Converting Colors

$Y_{xy}(20.5682, 0.3882, 0.3525)$

Have a look what the booklet for
Yxy(20.5682, 0.3882, 0.3525)
contains.

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Color

Yxy(20.4702, 0.3885, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	9E7365
RGB	158, 115, 101
RGB Percent	62%, 45%, 40%
CMY	0.3804, 0.5490, 0.6040
CMYK	0.00, 0.27, 0.36, 0.38
HSL	15°, 23%, 51%
HSV	15°, 36%, 62%
XYZ	22.5800, 20.4702, 15.0708
YIQ	126.2610, 30.1220, 4.7620

Conversions

Conversions Part 2

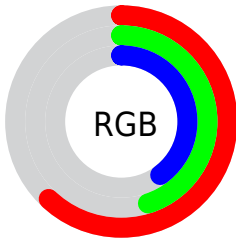
Format	Color
R_{YB}	158, 120, 101
Decimal	10384229
CIE _{Lab}	52.36, 14.99, 14.41
CIE _{LCh}	52, 20.799, 43.871
Yxy	20.4702, 0.3885, 0.3522
Android (android.graphics.Color)	4288574309 (0xFF9E7365)
YUV	126.2610, -12.4537, 27.8351
Hunter-Lab	45.2440, 9.9072, 11.9213

Details

The Yxy color **20.4702, 0.3885, 0.3522** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.1777, 0.2599, 0.3042**, and the grayscale version is **20.9934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2006, 0.3713, 0.3476**, and **7.2839, 0.4201, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **17.6462, 0.4188, 0.3586**, and if you desaturate by 10%, it is **23.7071, 0.3626, 0.3455**.

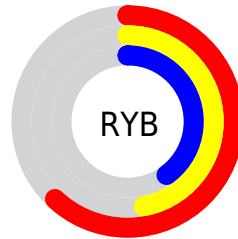
Distribution



Red (62%)

Green (45%)

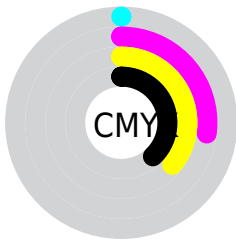
Blue (40%)



Red (62%)

Yellow (47%)

Blue (40%)

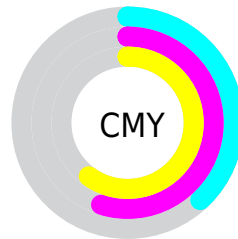


Cyan (0%)

Magenta (27%)

Yellow (36%)

Black (38%)



Cyan (38%)


Magenta (55%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4702, 0.3885, 0.3522 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 20.4702, 0.3885, 0.3522 by changing the saturation by 10% instead.


 20.4702, 0.3885,
0.3522


 20.4702, 0.3885,
0.3522


254.4493, 0.3451,
0.3402


 12.7373, 0.4016,
0.3552


 44.2041, 0.3712,
0.3478

 7.2479, 0.4201,
0.3588


 60.9739, 0.3651,
0.3461

 3.6176, 0.4478,
0.3631

 81.5248, 0.3602,
0.3447

 1.4620, 0.5027,
0.3738

 106.2412, 0.3562,
0.3436

 0.2618, 0.7014,
0.2986

135.5074, 0.3528,
0.3425

 0.0000, 0.0000,
0.0000

169.7079, 0.3498,

0.3416

209.2271, 0.3473,
0.3408

■ 20.4702, 0.3885,
0.3522

■ 20.4702, 0.3885,
0.3522

■ 17.6462, 0.4188,
0.3586

■ 23.7071, 0.3626,
0.3455

■ 15.2153, 0.4533,
0.3641

■ 27.3696, 0.3407,
0.3389

■ 13.1606, 0.4910,
0.3678


■ 31.4739, 0.3224,
0.3326


■ 11.4625, 0.5298,
0.3686


■ 36.0340, 0.3070,
0.3268


■ 10.0998, 0.5660,
0.3657

■ 41.0635, 0.2942,
0.3214


 9.0475, 0.5960,
0.3591

 46.5755, 0.2834,
0.3165

 8.7095, 0.6067,
0.3565

 52.5824, 0.2743,
0.3120

 59.0963, 0.2665,
0.3079

 66.1287, 0.2599,
0.3042

Harmonies

Analogous

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



20.4702, 0.3721, 0.3209



20.4702, 0.3885, 0.3522



20.4702, 0.3829, 0.3801

Triad

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



20.4702, 0.3885, 0.3522



20.4702, 0.2845, 0.3695



20.4702, 0.2666, 0.2667

Complementary

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



20.4702, 0.3885, 0.3522



25.1777, 0.2599, 0.3042

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.



20.4702, 0.2462, 0.2749



20.4702, 0.3885, 0.3522



20.4702, 0.2560, 0.3332

Square

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



20.4702, 0.3885, 0.3522



20.4702, 0.3217, 0.3934



20.4702, 0.2425, 0.2983



20.4702, 0.3000, 0.2735

Rectangle

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



20.4702, 0.3885, 0.3522



20.4702, 0.3680, 0.3928



20.4702, 0.2425, 0.2983



20.4702, 0.2581, 0.2677

Sweetspot

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



20.4712, 0.3885, 0.3522



53.2279, 0.3314, 0.3358



18.6101, 0.3337, 0.2605



11.7894, 0.3337, 0.3366



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.4712, 0.3885, 0.3522



33.1315, 0.4116, 0.3572



27.7930, 0.3731, 0.3952



6.8979, 0.3278, 0.3346



7.0298, 0.6052, 0.3576



0.1857, 0.5376, 0.4113

Inverse Universe

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



25.1777, 0.2599, 0.3042



42.8964, 0.2496, 0.2980



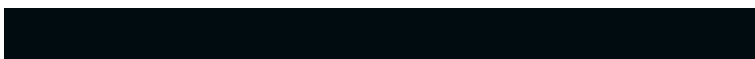
17.7706, 0.2529, 0.2524



7.2331, 0.2988, 0.3234



12.6390, 0.2026, 0.2492



0.2873, 0.2124, 0.2847

Previews

White Background



This preview shows how the Yxy color 20.4702, 0.3885, 0.3522 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 20.4702, 0.3885, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

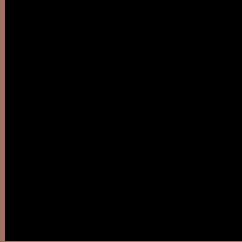
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4702, 0.3885, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 20.4702, 0.3885, 0.3522.



This preview shows how white text looks on a background with the Yxy color 20.4702, 0.3885, 0.3522.

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

20.4702, 0.3885, 0.3522

Protanopia

20.6134, 0.3433, 0.3638

Deuteranopia

20.4640, 0.3711, 0.3639



Tritanopia

20.4424, 0.3654, 0.3147

Trichromacy



Original Color

20.4702, 0.3885, 0.3522

Protanomaly

20.3369, 0.3590, 0.3593

Deuteranomaly

20.3610, 0.3775, 0.3599

Tritanomaly

20.3961, 0.3732, 0.3276

Monochromacy



Original Color

20.4702, 0.3885, 0.3522

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.6067, 0.3387, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4702, 0.3885, 0.3522 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(158, 115, 101)` looks like.

```
.text, #text, p{  
    color:rgb(158, 115, 101)  
}
```

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(158, 115, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 115, 101) }
```

Border

The CSS property to change the border of an element to Yxy 20.4702, 0.3885, 0.3522 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(158, 115, 101) }
```

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

```
.border{ border-color:rgb(158, 115, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 115, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 115, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 115, 101);  
box-shadow:4px 4px 4px 4px rgb(158, 115,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4702, 0.3885, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 115, 101) }
```

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

```
.background{ background-color: rgb(158,  
115, 101) }
```

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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