

Converting Colors

$Y_{xy}(20.4465, 0.3964, 0.3724)$

Have a look what the booklet for
Yxy(20.4465, 0.3964, 0.3724)
contains.

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Color

Yxy(20.4465, 0.3964, 0.3724)

Conversions

Conversions Part 1

Format	Color
Hex	9B755B
RGB	155, 117, 91
RGB Percent	61%, 46%, 36%
CMY	0.3922, 0.5411, 0.6432
CMYK	0.00, 0.24, 0.41, 0.39
HSL	24°, 26%, 48%
HSV	24°, 41%, 61%
XYZ	21.7642, 20.4465, 12.6940
YIQ	125.3980, 30.9940, -0.0300

Conversions

Conversions Part 2

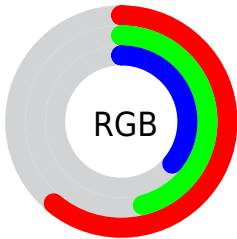
Format	Color
RYB	155, 135, 91
Decimal	10188123
CIELab	52.34, 11.33, 20.12
CIELCh	52, 23.093, 60.611
Yxy	20.4465, 0.3964, 0.3724
Android (android.graphics.Color)	4288378203 (0xFF9B755B)
YUV	125.3980, -16.9582, 25.9610
Hunter-Lab	45.2178, 6.7844, 15.0080

Details

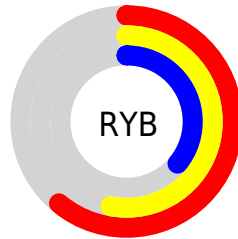
The Yxy color $20.4465, 0.3964, 0.3724$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $20.2787, 0.2499, 0.2804$, and the grayscale version is $20.6999, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.1479, 0.3780, 0.3639$, and $7.2705, 0.4296, 0.3865$ is the 20% darker color. If you saturate the color by 10%, you get $18.1682, 0.4241, 0.3825$, and if you desaturate by 10%, it is $22.9926, 0.3716, 0.3616$.

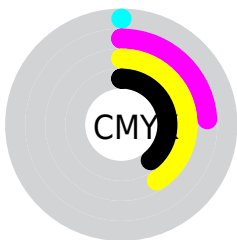
Distribution



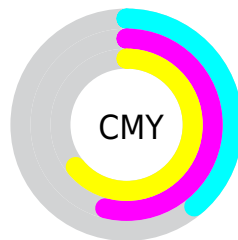
- Red (61%)
- Green (46%)
- Blue (36%)



- Red (61%)
- Yellow (53%)
- Blue (36%)



- Cyan (0%)
- Magenta (24%)
- Yellow (41%)
- Black (39%)





- Cyan (39%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4465, 0.3964, 0.3724 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 20.4465, 0.3964, 0.3724 by changing the saturation by 10% instead.


 20.4465, 0.3964,
0.3724

 20.4465, 0.3964,
0.3724


254.3221, 0.3487,
0.3492


 12.7200, 0.4106,
0.3785


 44.1645, 0.3775,
0.3637


 7.2360, 0.4303,
0.3862


 60.9248, 0.3708,
0.3605

 3.6102, 0.4591,
0.3959

 81.4652, 0.3654,
0.3578

 1.4580, 0.5403,
0.4356

 106.1701, 0.3610,
0.3555

 0.2589, 0.6688,
0.3312

135.4238, 0.3572,
0.3536

 0.0000, 0.0000,
0.0000

169.6108, 0.3539,

0.3519

209.1155, 0.3511,
0.3505

■ 20.4465, 0.3964,
0.3724

■ 20.4465, 0.3964,
0.3724

■ 18.1682, 0.4241,
0.3825

■ 22.9926, 0.3716,
0.3616

■ 16.1451, 0.4541,
0.3909

■ 25.8124, 0.3499,
0.3508

■ 14.3683, 0.4854,
0.3966

■ 28.9153, 0.3310,
0.3402

■ 12.8267, 0.5160,
0.3982

■ 32.3095, 0.3146,
0.3302

■ 11.5082, 0.5438,
0.3950

■ 36.0027, 0.3006,
0.3209

■ 10.5249, 0.5655,
0.3892

■ 40.0022, 0.2885,
0.3124

■ 44.3153, 0.2781,
0.3045

■ 48.9488, 0.2691,
0.2973

■ 53.9095, 0.2614,
0.2907

Harmonies

Analogous

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



20.4465, 0.3919, 0.3389



20.4465, 0.3964, 0.3724



20.4465, 0.3771, 0.3978

Triad

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



20.4465, 0.3964, 0.3724



20.4465, 0.2620, 0.3522



20.4465, 0.2808, 0.2627

Complementary

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



20.4465, 0.3964, 0.3724



20.2787, 0.2499, 0.2804

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.



20.4465, 0.2497, 0.2621



20.4465, 0.3964, 0.3724



20.4465, 0.2394, 0.3106

Square

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



20.4465, 0.3964, 0.3724



20.4465, 0.2988, 0.3887



20.4465, 0.2352, 0.2784



20.4465, 0.3225, 0.2783

Rectangle

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



20.4465, 0.3964, 0.3724



20.4465, 0.3543, 0.4054



20.4465, 0.2352, 0.2784



20.4465, 0.2689, 0.2607

Sweetspot

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



20.4475, 0.3964, 0.3724



51.2514, 0.3326, 0.3412



16.0421, 0.3531, 0.2666



11.4463, 0.3348, 0.3424



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.4475, 0.3964, 0.3724



32.6673, 0.4232, 0.3822



29.0850, 0.3764, 0.4197



6.6146, 0.3274, 0.3381



8.5270, 0.5641, 0.3903



0.1962, 0.4955, 0.4448

Inverse Universe

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



20.2787, 0.2499, 0.2804



32.3001, 0.2360, 0.2666



13.2106, 0.2402, 0.2182



6.6049, 0.2989, 0.3197



8.1201, 0.1870, 0.1931



0.1926, 0.2050, 0.2578

Previews

White Background



This preview shows how the Yxy color 20.4465, 0.3964, 0.3724 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 20.4465, 0.3964, 0.3724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

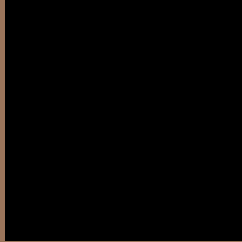
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4465, 0.3964, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 20.4465, 0.3964, 0.3724.



This preview shows how white text looks on a background with the Yxy color 20.4465, 0.3964, 0.3724.

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

20.4465, 0.3964, 0.3724

Protanopia

20.5437, 0.3601, 0.3856

Deuteranopia

20.4670, 0.3864, 0.3806



Tritanopia

20.4845, 0.3611, 0.3145

Trichromacy



Original Color

20.4465, 0.3964, 0.3724

Protanomaly

20.4602, 0.3735, 0.3803

Deuteranomaly

20.5111, 0.3910, 0.3782

Tritanomaly

20.3504, 0.3742, 0.3341

Monochromacy



Original Color

20.4465, 0.3964, 0.3724

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3456, 0.3410, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4465, 0.3964, 0.3724 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(155, 117, 91)` looks like.

```
.text, #text, p{  
    color:rgb(155, 117, 91)  
}
```

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(155, 117, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 117, 91) }
```

Border

The CSS property to change the border of an element to Yxy 20.4465, 0.3964, 0.3724 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(155, 117, 91) }
```

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

```
.border{ border-color:rgb(155, 117, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 117, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 117, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 117, 91);  
box-shadow:4px 4px 4px 4px rgb(155, 117,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4465, 0.3964, 0.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 117, 91) }
```

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

```
.background{ background-color: rgb(155,  
117, 91) }
```

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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