

Converting Colors

$Y_{xy}(20.9029, 0.4144, 0.3926)$

Have a look what the booklet for
Yxy(20.9029, 0.4144, 0.3926)
contains.

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Color

$\text{Yxy}(20.7905, 0.4147, 0.3920)$

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 9E764F |
| RGB | 158, 118, 79 |
| RGB Percent | 62%, 46%, 31% |
| CMY | 0.3803, 0.5373, 0.6902 |
| CMYK | 0.00, 0.25, 0.50, 0.38 |
| HSL | 30°, 33%, 46% |
| HSV | 30°, 50%, 62% |
| XYZ | 21.9944, 20.7905, 10.2521 |
| YIQ | 125.5140, 36.3590, -3.6490 |

Conversions

Conversions Part 2

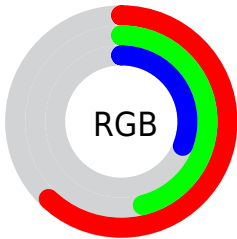
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 158, 156, 79 |
| Decimal | 10384975 |
| CIE _{Lab} | 52.72, 10.76, 27.49 |
| CIE _{LCh} | 53, 29.527, 68.619 |
| Yxy | 20.7905, 0.4147, 0.3920 |
| Android (android.graphics.Color) | 4288575055 (0xFF9E764F) |
| YUV | 125.5140, -22.9314, 28.4902 |
| Hunter-Lab | 45.5966, 6.3090, 18.5867 |

Details

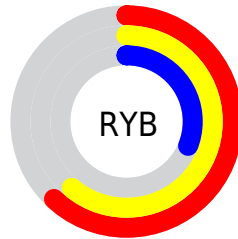
The Yxy color **20.7905, 0.4147, 0.3920** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.3359, 0.2346, 0.2542**, and the grayscale version is **20.7617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6306, 0.3916, 0.3793**, and **7.4332, 0.4528, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **18.7818, 0.4413, 0.4027**, and if you desaturate by 10%, it is **23.0160, 0.3897, 0.3797**.

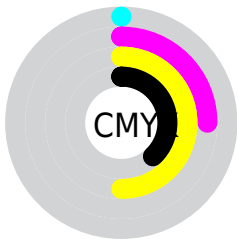
Distribution



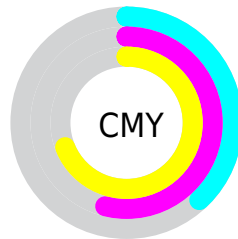
- Red (62%)
- Green (46%)
- Blue (31%)



- Red (62%)
- Yellow (61%)
- Blue (31%)



- Cyan (0%)
- Magenta (25%)
- Yellow (50%)
- Black (38%)





- Cyan (38%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7905, 0.4147, 0.3920 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 20.7905, 0.4147, 0.3920 by changing the saturation by 10% instead.


 20.7905, 0.4147,
0.3920


 20.7905, 0.4147,
0.3920


256.1630, 0.3572,
0.3586


 12.9710, 0.4312,
0.4004


 44.7386, 0.3922,
0.3797


 7.4085, 0.4534,
0.4106


 61.6360, 0.3842,
0.3751


 3.7189, 0.4846,
0.4227

 82.3280, 0.3777,
0.3712

 1.5176, 0.5497,
0.4503

 107.1992, 0.3722,
0.3679

 0.3011, 0.6458,
0.3542

 136.6339, 0.3676,
0.3651

 0.0000, 0.0000,
0.0000

171.0165, 0.3636,

0.3626

210.7314, 0.3602,
0.3605

■ 20.7905, 0.4147,
0.3920

■ 20.7905, 0.4147,
0.3920

■ 18.7818, 0.4413,
0.4027

■ 23.0160, 0.3897,
0.3797

■ 16.9791, 0.4687,
0.4107

■ 25.4626, 0.3669,
0.3667

■ 15.3746, 0.4953,
0.4147

■ 28.1383, 0.3465,
0.3536

■ 13.9589, 0.5194,
0.4138

■ 31.0497, 0.3285,
0.3410

■ 12.7154, 0.5409,
0.4087

■ 34.2031, 0.3127,
0.3290

■ 37.6044, 0.2989,
0.3178

■ 41.2595, 0.2869,
0.3075

■ 45.1739, 0.2764,
0.2979

■ 49.3530, 0.2673,
0.2892

Harmonies

Analogous

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



20.7905, 0.4182, 0.3514



20.7905, 0.4147, 0.3920



20.7905, 0.3826, 0.4211

Triad

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



20.7905, 0.4147, 0.3920



20.7905, 0.2391, 0.3434



20.7905, 0.2851, 0.2503

Complementary

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



20.7905, 0.4147, 0.3920



17.3359, 0.2346, 0.2542

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.



20.7905, 0.2422, 0.2438



20.7905, 0.4147, 0.3920



20.7905, 0.2176, 0.2919

Square

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



20.7905, 0.4147, 0.3920



20.7905, 0.2807, 0.3956



20.7905, 0.2188, 0.2573



20.7905, 0.3395, 0.2737

Rectangle

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



20.7905, 0.4147, 0.3920



20.7905, 0.3508, 0.4274



20.7905, 0.2188, 0.2573



20.7905, 0.2690, 0.2460

Sweetspot

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



20.7915, 0.4147, 0.3920



53.5156, 0.3378, 0.3476



14.2169, 0.3764, 0.2638



11.8308, 0.3414, 0.3501



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.



20.7915, 0.4147, 0.3920



33.6937, 0.4445, 0.4038



31.8524, 0.3851, 0.4457



7.1595, 0.3272, 0.3401



10.2588, 0.5396, 0.4097



0.2680, 0.4823, 0.4553

Inverse Universe

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



17.3359, 0.2346, 0.2542



26.6806, 0.2183, 0.2337



9.9171, 0.2201, 0.1776



6.9629, 0.2988, 0.3177



6.6571, 0.1787, 0.1634



0.2036, 0.1984, 0.2342

Previews

White Background



This preview shows how the Yxy color 20.7905, 0.4147, 0.3920 looks on a white background.

Color Contrast Check

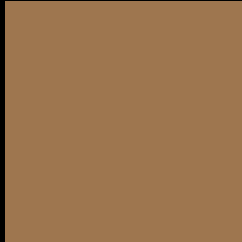
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7905, 0.4147, 0.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

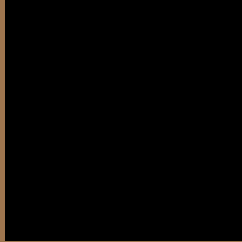
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7905, 0.4147, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 20.7905, 0.4147, 0.3920.



This preview shows how white text looks on a background with the Yxy color 20.7905, 0.4147, 0.3920.

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

20.7905, 0.4147, 0.3920

Protanopia

20.8493, 0.3774, 0.4077

Deuteranopia

20.6584, 0.4063, 0.3989



Tritanopia

20.8721, 0.3677, 0.3164

Trichromacy



Original Color

20.7905, 0.4147, 0.3920

Protanomaly

20.7797, 0.3912, 0.4015

Deuteranomaly

20.6137, 0.4098, 0.3966

Tritanomaly

20.8791, 0.3857, 0.3437

Monochromacy



Original Color

20.7905, 0.4147, 0.3920

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.6733, 0.3481, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7905, 0.4147, 0.3920 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, 118, 79)` looks like.

```
.text, #text, p{  
    color:rgb(158, 118, 79)  
}
```

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, 118, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 118, 79) }
```

Border

The CSS property to change the border of an element to Yxy 20.7905, 0.4147, 0.3920 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, 118, 79) }
```

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

```
.border{ border-color:rgb(158, 118, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 118, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 118, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 118, 79);  
box-shadow:4px 4px 4px 4px rgb(158, 118,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7905, 0.4147, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 118, 79) }
```

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

```
.background{ background-color: rgb(158,  
118, 79) }
```

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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