

Converting Colors

$Y_{xy}(20.8719, 0.3909, 0.5248)$

Have a look what the booklet for
Yxy(20.8719, 0.3909, 0.5248)
contains.

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Color

Yxy(20.8496, 0.3904, 0.5252)

Conversions

Conversions Part 1

Format	Color
Hex	718705
RGB	113, 135, 5
RGB Percent	44%, 53%, 2%
CMY	0.5570, 0.4705, 0.9804
CMYK	0.16, 0.00, 0.96, 0.47
HSL	70°, 93%, 27%
HSV	70°, 96%, 53%
XYZ	15.4983, 20.8496, 3.3505
YIQ	113.6020, 28.6180, -45.0940

Conversions

Conversions Part 2

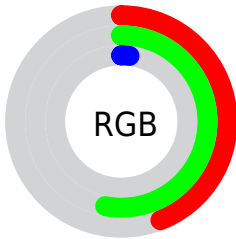
Format	Color
RYB	5, 135, 27
Decimal	7440133
CIELab	52.78, -23.32, 55.92
CIElCh	53, 60.590, 112.641
Yxy	20.8496, 0.3904, 0.5252
Android (android.graphics.Color)	4285630213 (0xFF718705)
YUV	113.6020, -53.5408, -0.5280
Hunter-Lab	45.6614, -19.3214, 27.6124

Details

The Yxy color **20.8496, 0.3904, 0.5252** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.0914, 0.1625, 0.0696**, and the grayscale version is **16.8571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7209, 0.3813, 0.4843**, and **7.4891, 0.3739, 0.5413** is the 20% darker color. If you saturate the color by 10%, you get **20.7838, 0.3904, 0.5282**, and if you desaturate by 10%, it is **21.0386, 0.3899, 0.5164**.

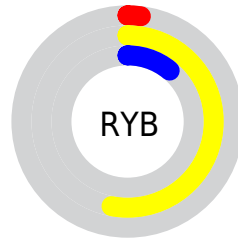
Distribution



Red (44%)

Green (53%)

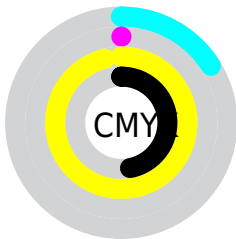
Blue (2%)



Red (2%)

Yellow (53%)

Blue (11%)

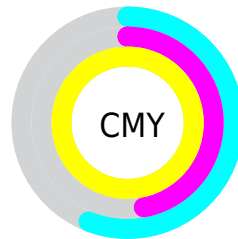


Cyan (16%)

Magenta (0%)

Yellow (96%)

Black (47%)



Cyan (56%)


Magenta (47%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8496, 0.3904, 0.5252 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 20.8496, 0.3904, 0.5252 by changing the saturation by 10% instead.


 20.8496, 0.3904,
0.5252

 20.8496, 0.3904,
0.5252

256.4781, 0.3561,
0.4158


 13.0141, 0.3932,
0.5526


 44.8371, 0.3811,
0.4842


 7.4383, 0.3991,
0.5975


 61.7579, 0.3764,
0.4689

 3.7377, 0.3772,
0.6228

 82.4759, 0.3721,
0.4562

 1.5279, 0.3368,
0.6632

 107.3755, 0.3682,
0.4455


 0.3083, 0.0000,
1.0000


 136.8412, 0.3646,
0.4364


 0.0000, 0.0000,
0.0000


 171.2572, 0.3615,

0.4285


 211.0081, 0.3587,
0.4217


 20.8496, 0.3904,
0.5252


 20.8496, 0.3904,
0.5252


 20.7838, 0.3904,
0.5282

 21.0386, 0.3899,
0.5164

 21.2551, 0.3871,
0.5037

 21.5056, 0.3820,
0.4869

 21.7934, 0.3746,
0.4665

 22.1213, 0.3654,
0.4436

■ 22.4920, 0.3549,
0.4190

■ 22.9078, 0.3435,
0.3936

■ 23.3709, 0.3318,
0.3684

■ 23.8833, 0.3200,
0.3439

Harmonies

Analogous

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



20.8496, 0.4760, 0.4634



20.8496, 0.3904, 0.5252



20.8496, 0.2915, 0.5219

Triad

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



20.8496, 0.3904, 0.5252



20.8496, 0.1369, 0.2143



20.8496, 0.4164, 0.2519

Complementary

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



20.8496, 0.3904, 0.5252



2.0914, 0.1625, 0.0696

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.



20.8496, 0.3022, 0.2024



20.8496, 0.3904, 0.5252



20.8496, 0.1567, 0.1785

Square

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



20.8496, 0.3904, 0.5252



20.8496, 0.1505, 0.2964



20.8496, 0.2107, 0.1766



20.8496, 0.5050, 0.3164

Rectangle

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



20.8496, 0.3904, 0.5252



20.8496, 0.2296, 0.4632



20.8496, 0.2107, 0.1766



20.8496, 0.3782, 0.2332

Sweetspot

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



20.8505, 0.3904, 0.5252



40.7579, 0.3474, 0.4021



5.9311, 0.6093, 0.3473



9.3747, 0.3517, 0.4116



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.8505, 0.3904, 0.5252



37.1530, 0.3898, 0.5287



17.9784, 0.3203, 0.5800



5.3842, 0.3233, 0.3506



19.1668, 0.3905, 0.5281



0.0690, 0.4054, 0.5163

Inverse Universe

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



2.0914, 0.1625, 0.0696



3.4061, 0.1577, 0.0642



4.1163, 0.2435, 0.1138



4.5797, 0.3016, 0.3068



1.7842, 0.1593, 0.0651



0.0084, 0.1908, 0.0825

Previews

White Background



This preview shows how the Yxy color 20.8496, 0.3904, 0.5252 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 20.8496, 0.3904, 0.5252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

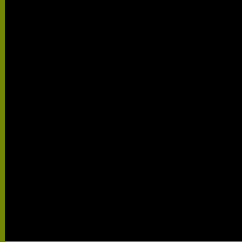
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8496, 0.3904, 0.5252

Background



This preview shows how black text looks on a background with the Yxy color 20.8496, 0.3904, 0.5252.



This preview shows how white text looks on a background with the Yxy color 20.8496, 0.3904, 0.5252.

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

20.8496, 0.3904, 0.5252

Protanopia

20.6725, 0.4401, 0.4887

Deuteranopia

20.6305, 0.4636, 0.4542



Tritanopia

20.7016, 0.3007, 0.3109

Trichromacy



Original Color

20.8496, 0.3904, 0.5252

Protanomaly

20.5302, 0.4214, 0.5024

Deuteranomaly

20.4585, 0.4369, 0.4808

Tritanomaly

20.3982, 0.3471, 0.4079

Monochromacy



Original Color

20.8496, 0.3904, 0.5252

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.9909, 0.3580, 0.4255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8496, 0.3904, 0.5252 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(113, 135, 5)` looks like.

```
.text, #text, p{  
    color:rgb(113, 135, 5)  
}
```

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(113, 135, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 135, 5) }
```

Border

The CSS property to change the border of an element to Yxy 20.8496, 0.3904, 0.5252 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(113, 135, 5) }
```

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

```
.border{ border-color:rgb(113, 135, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 135, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 135, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 135, 5);  
box-shadow:4px 4px 4px 4px rgb(113, 135,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8496, 0.3904, 0.5252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 135, 5) }
```

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

```
.background{ background-color: rgb(113,  
135, 5) }
```

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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