

Converting Colors

$Y_{xy}(20.3236, 0.3902, 0.3348)$

Have a look what the booklet for
Yxy(20.3236, 0.3902, 0.3348)
contains.

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Color

Yxy(20.3229, 0.3905, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	A46F6B
RGB	164, 111, 107
RGB Percent	64%, 44%, 42%
CMY	0.3569, 0.5647, 0.5804
CMYK	0.00, 0.32, 0.35, 0.36
HSL	4°, 24%, 53%
HSV	4°, 35%, 64%
XYZ	23.6475, 20.3229, 16.5865
YIQ	126.3910, 32.8720, 9.9920

Conversions

Conversions Part 2

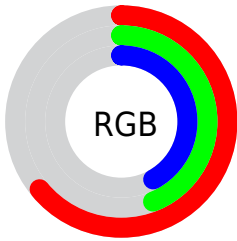
Format	Color
R_{YB}	164, 111, 107
Decimal	10776427
CIE _{Lab}	52.20, 20.51, 10.77
CIE _{LCh}	52, 23.165, 27.713
Yxy	20.3229, 0.3905, 0.3356
Android (android.graphics.Color)	4288966507 (0xFFA46F6B)
YUV	126.3910, -9.5598, 32.9831
Hunter-Lab	45.0809, 14.7416, 9.7422

Details

The Yxy color **20.3229, 0.3905, 0.3356** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.9447, 0.2638, 0.3222**, and the grayscale version is **21.0295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8787, 0.3727, 0.3352**, and **7.1963, 0.4215, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **16.9624, 0.4246, 0.3375**, and if you desaturate by 10%, it is **24.3188, 0.3622, 0.3336**.

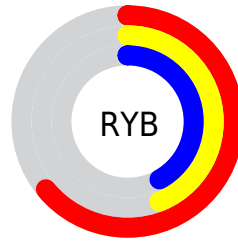
Distribution



Red (64%)

Green (44%)

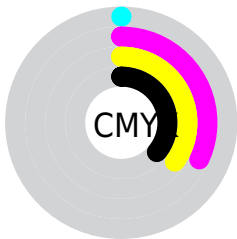
Blue (42%)



Red (64%)

Yellow (44%)

Blue (42%)

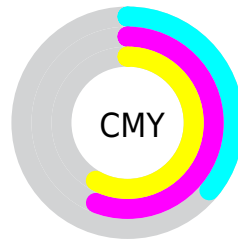


Cyan (0%)

Magenta (32%)

Yellow (35%)

Black (36%)



Cyan (36%)


Magenta (56%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3229, 0.3905, 0.3356 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 20.3229, 0.3905, 0.3356 by changing the saturation by 10% instead.


 20.3229, 0.3905,
0.3356


 20.3229, 0.3905,
0.3356

253.6578, 0.3459,
0.3329

 12.6300, 0.4041,
0.3358


 43.9579, 0.3726,
0.3349

 7.1742, 0.4232,
0.3357


 60.6687, 0.3664,
0.3345

 3.5713, 0.4522,
0.3346

 81.1544, 0.3614,
0.3342

 1.4368, 0.5030,
0.3315

 105.7992, 0.3572,
0.3339

 0.2436, 0.7504,
0.2496

134.9875, 0.3537,
0.3336

 0.0000, 0.0000,
0.0000

169.1038, 0.3507,

0.3334

208.5324, 0.3481,
0.3331

■ 20.3229, 0.3905,
0.3356

■ 20.3229, 0.3905,
0.3356

■ 16.9624, 0.4246,
0.3375

■ 24.3188, 0.3622,
0.3336

■ 14.2017, 0.4645,
0.3390

■ 28.9774, 0.3391,
0.3317

■ 12.0066, 0.5088,
0.3399


■ 34.3280, 0.3203,
0.3298


■ 10.3376, 0.5539,
0.3396


■ 40.3971, 0.3051,
0.3281


■ 9.1508, 0.5940,
0.3381

■ 47.2099, 0.2927,
0.3266


 8.3945, 0.6230,
0.3353

 54.7906, 0.2826,
0.3252

 8.1436, 0.6342,
0.3346

 63.1620, 0.2742,
0.3240

 72.3460, 0.2673,
0.3228

 82.3638, 0.2615,
0.3218

Harmonies

Analogous

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



20.3229, 0.3607, 0.3023



20.3229, 0.3905, 0.3356



20.3229, 0.3975, 0.3695

Triad

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



20.3229, 0.3905, 0.3356



20.3229, 0.3028, 0.3917



20.3229, 0.2472, 0.2626

Complementary

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



20.3229, 0.3905, 0.3356



30.9447, 0.2638, 0.3222

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.



20.3229, 0.2344, 0.2806



20.3229, 0.3905, 0.3356



20.3229, 0.2648, 0.3563

Square

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



20.3229, 0.3905, 0.3356



20.3229, 0.3451, 0.4061



20.3229, 0.2405, 0.3143



20.3229, 0.2770, 0.2616

Rectangle

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



20.3229, 0.3905, 0.3356



20.3229, 0.3884, 0.3887



20.3229, 0.2405, 0.3143



20.3229, 0.2409, 0.2667

Sweetspot

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



20.3239, 0.3905, 0.3356



56.8773, 0.3300, 0.3308



20.9528, 0.3211, 0.2499



12.1563, 0.3326, 0.3311



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.3239, 0.3905, 0.3356



31.9013, 0.4174, 0.3371



27.5054, 0.3756, 0.3792



7.1622, 0.3283, 0.3306



6.2733, 0.6334, 0.3353



0.1544, 0.6042, 0.3584

Inverse Universe

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



30.9447, 0.2638, 0.3222



54.2208, 0.2543, 0.3204



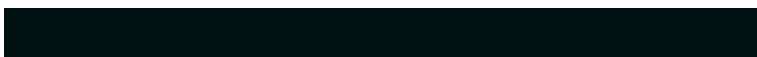
22.2271, 0.2573, 0.2727



7.9257, 0.2988, 0.3274



19.4215, 0.2187, 0.3073



0.4317, 0.2210, 0.3157

Previews

White Background



This preview shows how the Yxy color 20.3229, 0.3905, 0.3356 looks on a white background.

Color Contrast Check

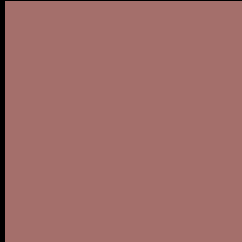
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3229, 0.3905, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

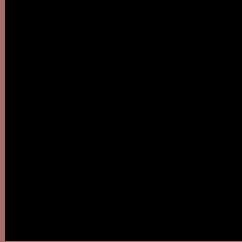
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3229, 0.3905, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 20.3229, 0.3905, 0.3356.



This preview shows how white text looks on a background with the Yxy color 20.3229, 0.3905, 0.3356.

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

20.3229, 0.3905, 0.3356

Protanopia

20.3760, 0.3316, 0.3474

Deuteranopia

20.3822, 0.3621, 0.3554



Tritanopia

20.2446, 0.3774, 0.3150

Trichromacy



Original Color

20.3229, 0.3905, 0.3356

Protanomaly

20.0921, 0.3522, 0.3432

Deuteranomaly

20.3425, 0.3715, 0.3478

Tritanomaly

20.3661, 0.3826, 0.3229

Monochromacy



Original Color

20.3229, 0.3905, 0.3356

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.5821, 0.3391, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3229, 0.3905, 0.3356 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(164, 111, 107)` looks like.

```
.text, #text, p{  
    color:rgb(164, 111, 107)  
}
```

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(164, 111, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 111, 107) }
```

Border

The CSS property to change the border of an element to Yxy 20.3229, 0.3905, 0.3356 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(164, 111, 107) }
```

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

```
.border{ border-color:rgb(164, 111, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 111, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 111, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 111, 107);  
box-shadow:4px 4px 4px 4px rgb(164, 111,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3229, 0.3905, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 111, 107) }
```

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

```
.background{ background-color: rgb(164,  
111, 107) }
```

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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