

Converting Colors

$Y_{xy}(20.3168, 0.3729, 0.3620)$

Have a look what the booklet for
Yxy(20.3168, 0.3729, 0.3620)
contains.

Yxy(20.3168, 0.3729, 0.3620)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.3168, 0.3729, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	937764
RGB	147, 119, 100
RGB Percent	58%, 47%, 39%
CMY	0.4236, 0.5333, 0.6078
CMYK	0.00, 0.19, 0.32, 0.42
HSL	24°, 19%, 48%
HSV	24°, 32%, 58%
XYZ	20.9285, 20.3168, 14.8784
YIQ	125.2060, 22.7870, 0.0270

Conversions

Conversions Part 2

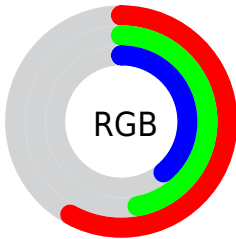
Format	Color
R_{YB}	147, 132, 100
Decimal	9664356
CIE _{Lab}	52.19, 7.99, 14.56
CIE _{LCh}	52, 16.610, 61.244
Yxy	20.3168, 0.3729, 0.3620
Android (android.graphics.Color)	4287854436 (0xFF937764)
YUV	125.2060, -12.4266, 19.1133
Hunter-Lab	45.0742, 4.0002, 11.9810

Details

The Yxy color $20.3168, 0.3729, 0.3620$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $20.2532, 0.2642, 0.2934$, and the grayscale version is $20.6186, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9167, 0.3594, 0.3546$, and $7.1964, 0.3973, 0.3755$ is the 20% darker color. If you saturate the color by 10%, you get $18.0692, 0.3978, 0.3727$, and if you desaturate by 10%, it is $22.8097, 0.3510, 0.3512$.

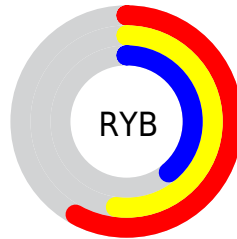
Distribution



Red (58%)

Green (47%)

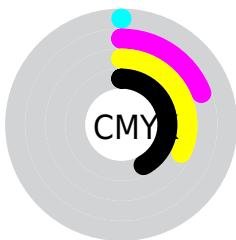
Blue (39%)



Red (58%)

Yellow (52%)

Blue (39%)

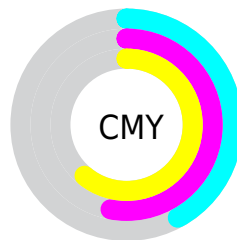


Cyan (0%)

Magenta (19%)

Yellow (32%)

Black (42%)



Cyan (42%)


Magenta (53%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3168, 0.3729, 0.3620 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 20.3168, 0.3729, 0.3620 by changing the saturation by 10% instead.


 20.3168, 0.3729,
0.3620


 20.3168, 0.3729,
0.3620


253.6250, 0.3385,
0.3439


 12.6255, 0.3833,
0.3670


 43.9477, 0.3592,
0.3550


 7.1712, 0.3979,
0.3738


 60.6561, 0.3544,
0.3525

 3.5694, 0.4198,
0.3831

 81.1390, 0.3505,
0.3505

 1.4357, 0.4667,
0.4056

 105.7808, 0.3473,
0.3487

 0.2428, 0.6369,
0.3631

134.9660, 0.3446,
0.3472

 0.0000, 0.0000,
0.0000

169.0788, 0.3422,

0.3460

208.5036, 0.3402,
0.3449

■ 20.3168, 0.3729,
0.3620

■ 20.3168, 0.3729,
0.3620

■ 18.0692, 0.3978,
0.3727

■ 22.8097, 0.3510,
0.3512

■ 16.0561, 0.4255,
0.3826

■ 25.5526, 0.3320,
0.3408

■ 14.2700, 0.4556,
0.3908


■ 28.5535, 0.3156,
0.3309


■ 12.7020, 0.4868,
0.3963


■ 31.8193, 0.3015,
0.3216


■ 11.3423, 0.5174,
0.3977

■ 35.3567, 0.2894,
0.3131

 10.1802, 0.5450,
0.3943

 39.1719, 0.2789,
0.3052

 9.3746, 0.5654,
0.3893

 43.2711, 0.2699,
0.2981

 47.6602, 0.2620,
0.2915

 52.3450, 0.2552,
0.2855

Harmonies

Analogous

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



20.3168, 0.3697, 0.3377



20.3168, 0.3729, 0.3620



20.3168, 0.3592, 0.3793

Triad

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



20.3168, 0.3729, 0.3620



20.3168, 0.2755, 0.3452



20.3168, 0.2904, 0.2802

Complementary

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



20.3168, 0.3729, 0.3620



20.2532, 0.2642, 0.2934

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.



20.3168, 0.2670, 0.2799



20.3168, 0.3729, 0.3620



20.3168, 0.2588, 0.3159

Square

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



20.3168, 0.3729, 0.3620



20.3168, 0.3025, 0.3707



20.3168, 0.2558, 0.2923



20.3168, 0.3208, 0.2920

Rectangle

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



20.3168, 0.3729, 0.3620



20.3168, 0.3428, 0.3837



20.3168, 0.2558, 0.2923



20.3168, 0.2815, 0.2787

Sweetspot

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



20.3177, 0.3729, 0.3620



46.6774, 0.3290, 0.3390



16.8827, 0.3414, 0.2811



10.5040, 0.3312, 0.3403



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.3177, 0.3729, 0.3620



33.5980, 0.3895, 0.3693



26.5548, 0.3615, 0.3992



6.1774, 0.3273, 0.3380



8.1750, 0.5644, 0.3900



0.1554, 0.4945, 0.4455

Inverse Universe

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



20.2532, 0.2642, 0.2934



33.4574, 0.2539, 0.2844



14.8608, 0.2588, 0.2475



6.1727, 0.2989, 0.3198



7.8642, 0.1873, 0.1942



0.1542, 0.2057, 0.2604

Previews

White Background



This preview shows how the Yxy color 20.3168, 0.3729, 0.3620 looks on a white background.

Color Contrast Check

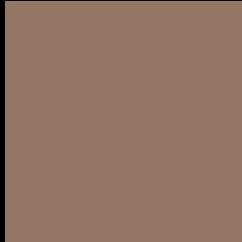
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3168, 0.3729, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

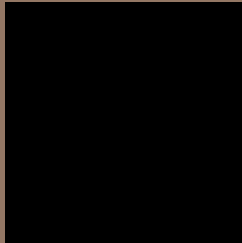
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3168, 0.3729, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 20.3168, 0.3729, 0.3620.



This preview shows how white text looks on a background with the Yxy color 20.3168, 0.3729, 0.3620.

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

20.3168, 0.3729, 0.3620

Protanopia

20.3001, 0.3472, 0.3677

Deuteranopia

20.3728, 0.3698, 0.3640



Tritanopia

20.4300, 0.3471, 0.3157

Trichromacy



Original Color

20.3168, 0.3729, 0.3620

Protanomaly

20.1967, 0.3558, 0.3652

Deuteranomaly

20.4640, 0.3711, 0.3639

Tritanomaly

20.3499, 0.3571, 0.3325

Monochromacy



Original Color

20.3168, 0.3729, 0.3620

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4134, 0.3333, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3168, 0.3729, 0.3620 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(147, 119, 100)` looks like.

```
.text, #text, p{  
    color:rgb(147, 119, 100)  
}
```

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(147, 119, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 119, 100) }
```

Border

The CSS property to change the border of an element to Yxy 20.3168, 0.3729, 0.3620 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(147, 119, 100) }
```

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

```
.border{ border-color:rgb(147, 119, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 119, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 119, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 119, 100); box-shadow:4px 4px 4px 4px rgb(147, 119, 100) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3168, 0.3729, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 119, 100) }
```

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

```
.background{ background-color: rgb(147,  
119, 100) }
```

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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