

Converting Colors

$Y_{xy}(22.0166, 0.3682, 0.3244)$

Have a look what the booklet for
Yxy(22.0166, 0.3682, 0.3244)
contains.

Yxy(22.1239, 0.3671, 0.3244)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1239, 0.3671, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	A37679
RGB	163, 118, 121
RGB Percent	64%, 46%, 47%
CMY	0.3607, 0.5373, 0.5255
CMYK	0.00, 0.28, 0.26, 0.36
HSL	356°, 20%, 55%
HSV	356°, 28%, 64%
XYZ	25.0360, 22.1239, 21.0395
YIQ	131.7970, 25.8570, 10.4730

Conversions

Conversions Part 2

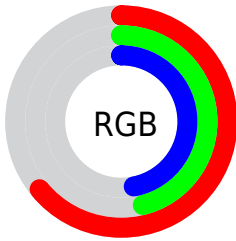
Format	Color
R_{YB}	163, 118, 121
Decimal	10712697
CIE _{Lab}	54.16, 18.11, 5.34
CIE _{LCh}	54, 18.877, 16.421
Yxy	22.1239, 0.3671, 0.3244
Android (android.graphics.Color)	4288902777 (0xFFA37679)
YUV	131.7970, -5.3229, 27.3650
Hunter-Lab	47.0361, 12.6976, 6.4044

Details

The Yxy color $22.1239, 0.3671, 0.3244$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $32.5895, 0.2757, 0.3338$, and the grayscale version is $23.0108, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.8267, 0.3555, 0.3256$, and $8.0523, 0.3880, 0.3201$ is the 20% darker color. If you saturate the color by 10%, you get $18.2674, 0.3960, 0.3227$, and if you desaturate by 10%, it is $26.7048, 0.3436, 0.3261$.

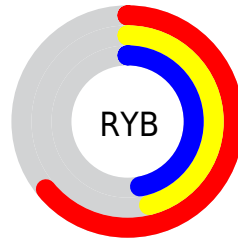
Distribution



Red (64%)

Green (46%)

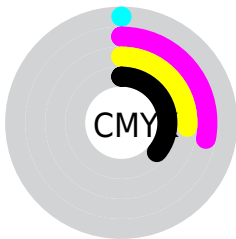
Blue (47%)



Red (64%)

Yellow (46%)

Blue (47%)

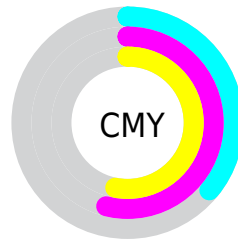


Cyan (0%)

Magenta (28%)

Yellow (26%)

Black (36%)



Cyan (36%)


Magenta (54%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1239, 0.3671, 0.3244 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 22.1239, 0.3671, 0.3244 by changing the saturation by 10% instead.


 22.1239, 0.3671,
0.3244


 22.1239, 0.3671,
0.3244


263.1926, 0.3363,
0.3274

 13.9480, 0.3763,
0.3233


 46.9507, 0.3549,
0.3257

 8.0845, 0.3891,
0.3216


 64.3703, 0.3507,
0.3261

 4.1491, 0.4084,
0.3188

 85.6400, 0.3472,
0.3265

 1.7573, 0.4403,
0.3132

111.1441, 0.3443,
0.3267

 0.4603, 0.5993,
0.3135

141.2670, 0.3418,
0.3270

 0.0000, 0.0000,
0.0000

176.3932, 0.3397,

0.3271

216.9069, 0.3379,
0.3273

■ 22.1239, 0.3671,
0.3244

■ 22.1239, 0.3671,
0.3244

■ 18.2674, 0.3960,
0.3227

■ 26.7048, 0.3436,
0.3261

■ 15.0954, 0.4310,
0.3212

■ 32.0414, 0.3246,
0.3278

■ 12.5687, 0.4718,
0.3201

■ 38.1666, 0.3094,
0.3294

■ 10.6431, 0.5166,
0.3198

■ 45.1107, 0.2971,
0.3308

■ 9.2686, 0.5614,
0.3207

■ 52.9024, 0.2871,
0.3321

■ 8.3874, 0.6000,
0.3228

■ 61.5688, 0.2789,
0.3333

■ 7.9055, 0.6270,
0.3254

■ 71.1360, 0.2722,
0.3343

■ 7.8119, 0.6320,
0.3255

■ 81.6290, 0.2667,
0.3353

■ 86.5281, 0.2619,
0.3289

Harmonies

Analogous

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



22.1239, 0.3389, 0.2988



22.1239, 0.3671, 0.3244



22.1239, 0.3800, 0.3523

Triad

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



22.1239, 0.3671, 0.3244



22.1239, 0.3180, 0.3844



22.1239, 0.2545, 0.2799

Complementary

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



22.1239, 0.3671, 0.3244



32.5895, 0.2757, 0.3338

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.



22.1239, 0.2498, 0.2999



22.1239, 0.3671, 0.3244



22.1239, 0.2853, 0.3622

Square

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



22.1239, 0.3671, 0.3244



22.1239, 0.3505, 0.3890



22.1239, 0.2607, 0.3301



22.1239, 0.2740, 0.2735

Rectangle

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



22.1239, 0.3671, 0.3244



22.1239, 0.3778, 0.3692



22.1239, 0.2607, 0.3301



22.1239, 0.2512, 0.2851

Sweetspot

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



22.1249, 0.3671, 0.3244



56.8276, 0.3255, 0.3277



22.9991, 0.3115, 0.2611



12.4341, 0.3281, 0.3275



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.



22.1249, 0.3671, 0.3244



35.3230, 0.3838, 0.3234



26.9178, 0.3633, 0.3584



7.0933, 0.3275, 0.3275



6.0728, 0.6308, 0.3249



0.1298, 0.5904, 0.3026

Inverse Universe

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



22.1249, 0.3671, 0.3244



35.3230, 0.3838, 0.3234



26.5210, 0.2704, 0.2976



7.0933, 0.3275, 0.3275



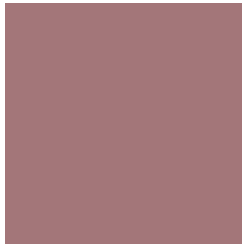
6.0728, 0.6308, 0.3249



0.1298, 0.5904, 0.3026

Previews

White Background



This preview shows how the Yxy color 22.1239, 0.3671, 0.3244 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 22.1239, 0.3671, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

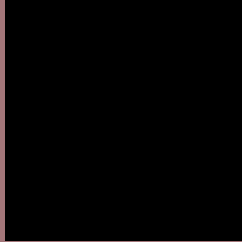
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1239, 0.3671, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 22.1239, 0.3671, 0.3244.



This preview shows how white text looks on a background with the Yxy color 22.1239, 0.3671, 0.3244.

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

22.1239, 0.3671, 0.3244

Protanopia

22.2194, 0.3196, 0.3325

Deuteranopia

22.1343, 0.3444, 0.3376



Tritanopia

22.1215, 0.3622, 0.3150

Trichromacy



Original Color

22.1239, 0.3671, 0.3244

Protanomaly

22.0772, 0.3359, 0.3291

Deuteranomaly

21.9505, 0.3529, 0.3324

Tritanomaly

22.0703, 0.3648, 0.3181

Monochromacy



Original Color

22.1239, 0.3671, 0.3244

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.5769, 0.3308, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1239, 0.3671, 0.3244 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(163, 118, 121)` looks like.

```
.text, #text, p{  
    color:rgb(163, 118, 121)  
}
```

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(163, 118, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 118, 121) }
```

Border

The CSS property to change the border of an element to Yxy 22.1239, 0.3671, 0.3244 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(163, 118, 121) }
```

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

```
.border{ border-color:rgb(163, 118, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 118, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 118, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 118, 121);  
box-shadow:4px 4px 4px 4px rgb(163, 118,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1239, 0.3671, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 118, 121) }
```

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

```
.background{ background-color: rgb(163,  
118, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor