

Converting Colors

$Y_{xy}(22.8829, 0.3543, 0.3234)$

Have a look what the booklet for
Yxy(22.8829, 0.3543, 0.3234)
contains.

Yxy(22.7964, 0.3542, 0.3227)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7964, 0.3542, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	9F7A7E
RGB	159, 122, 126
RGB Percent	62%, 48%, 49%
CMY	0.3765, 0.5215, 0.5058
CMYK	0.00, 0.23, 0.21, 0.38
HSL	354°, 16%, 55%
HSV	354°, 23%, 62%
XYZ	25.0216, 22.7964, 22.8247
YIQ	133.5190, 20.7680, 9.0880

Conversions

Conversions Part 2

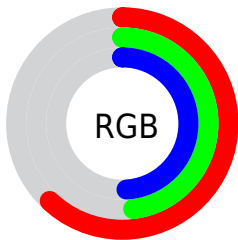
Format	Color
R_{YB}	159, 122, 126
Decimal	10451582
CIE _{Lab}	54.86, 15.01, 3.37
CIE _{LCh}	55, 15.385, 12.646
Y _{xy}	22.7964, 0.3542, 0.3227
Android (android.graphics.Color)	4288641662 (0xFF9F7A7E)
YUV	133.5190, -3.7069, 22.3468
Hunter-Lab	47.7456, 9.9903, 5.0785

Details

The Yxy color $22.7964, 0.3542, 0.3227$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $31.2945, 0.2823, 0.3355$, and the grayscale version is $23.6633, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.2108, 0.3444, 0.3243$, and $8.4267, 0.3714, 0.3199$ is the 20% darker color. If you saturate the color by 10%, you get $18.8665, 0.3793, 0.3198$, and if you desaturate by 10%, it is $27.4189, 0.3338, 0.3255$.

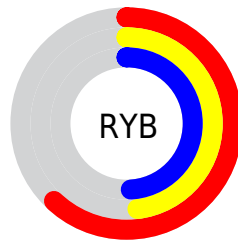
Distribution



Red (62%)

Green (48%)

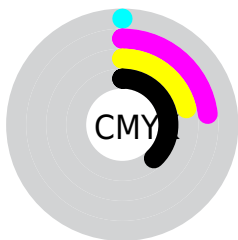
Blue (49%)



Red (62%)

Yellow (48%)

Blue (49%)

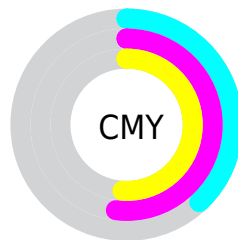


Cyan (0%)

Magenta (23%)

Yellow (21%)

Black (38%)



Cyan (38%)


Magenta (52%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7964, 0.3542, 0.3227 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 22.7964, 0.3542, 0.3227 by changing the saturation by 10% instead.


 22.7964, 0.3542,
0.3227


 22.7964, 0.3542,
0.3227


266.6775, 0.3309,
0.3265


 14.4432, 0.3611,
0.3215


 48.0588, 0.3450,
0.3242

 8.4296, 0.3707,
0.3197


 65.7368, 0.3418,
0.3248

 4.3710, 0.3851,
0.3170

 87.2919, 0.3391,
0.3252

 1.8832, 0.4087,
0.3120

113.1085, 0.3369,
0.3255

 0.5383, 0.4971,
0.3045

143.5710, 0.3351,
0.3258

 0.0000, 0.0000,
0.0000

179.0637, 0.3335,

0.3261

219.9711, 0.3321,
0.3263

■ 22.7964, 0.3542,
0.3227

■ 22.7964, 0.3542,
0.3227

■ 18.8665, 0.3793,
0.3198

■ 27.4189, 0.3338,
0.3255

■ 15.5930, 0.4100,
0.3171

■ 32.7619, 0.3174,
0.3282

■ 12.9410, 0.4464,
0.3149


■ 38.8556, 0.3041,
0.3306


■ 10.8710, 0.4878,
0.3135


■ 45.7273, 0.2933,
0.3329

■ 9.3392, 0.5318,
0.3137


■ 53.4031, 0.2845,
0.3349

 8.2955, 0.5739,
0.3157

 61.9080, 0.2773,
0.3368

 7.6803, 0.6080,
0.3197

 71.2657, 0.2714,
0.3385

 7.4103, 0.6255,
0.3219

 81.4991, 0.2664,
0.3400

 86.0194, 0.2607,
0.3304

Harmonies

Analogous

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



22.7964, 0.3305, 0.3021



22.7964, 0.3542, 0.3227



22.7964, 0.3664, 0.3456

Triad

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



22.7964, 0.3542, 0.3227



22.7964, 0.3208, 0.3745



22.7964, 0.2641, 0.2908

Complementary

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



22.7964, 0.3542, 0.3227



31.2945, 0.2823, 0.3355

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.



22.7964, 0.2619, 0.3086



22.7964, 0.3542, 0.3227



22.7964, 0.2938, 0.3584

Square

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



22.7964, 0.3542, 0.3227



22.7964, 0.3464, 0.3768



22.7964, 0.2725, 0.3335



22.7964, 0.2788, 0.2838

Rectangle

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



22.7964, 0.3542, 0.3227



22.7964, 0.3661, 0.3596



22.7964, 0.2725, 0.3335



22.7964, 0.2619, 0.2956

Sweetspot

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



22.7974, 0.3542, 0.3227



54.8198, 0.3233, 0.3272



23.3600, 0.3104, 0.2719



12.2406, 0.3242, 0.3270



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.



22.7974, 0.3542, 0.3227



36.9717, 0.3668, 0.3212



26.4345, 0.3543, 0.3516



6.6572, 0.3268, 0.3266



5.8576, 0.6240, 0.3211



0.1077, 0.5612, 0.2865

Inverse Universe

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



22.7974, 0.3542, 0.3227



36.9717, 0.3668, 0.3212



26.8337, 0.2774, 0.3053



6.6572, 0.3268, 0.3266



5.8576, 0.6240, 0.3211



0.1077, 0.5612, 0.2865

Previews

White Background



This preview shows how the Yxy color 22.7964, 0.3542, 0.3227 looks on a white background.

Color Contrast Check

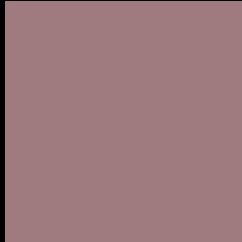
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7964, 0.3542, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

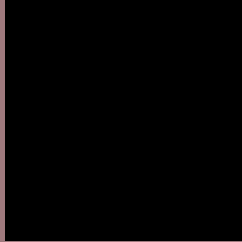
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7964, 0.3542, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 22.7964, 0.3542, 0.3227.



This preview shows how white text looks on a background with the Yxy color 22.7964, 0.3542, 0.3227.

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

22.7964, 0.3542, 0.3227

Protanopia

22.9396, 0.3162, 0.3290

Deuteranopia

22.8625, 0.3391, 0.3324



Tritanopia

22.7870, 0.3496, 0.3132

Trichromacy



Original Color

22.7964, 0.3542, 0.3227

Protanomaly

22.8630, 0.3295, 0.3274

Deuteranomaly

22.7272, 0.3446, 0.3291

Tritanomaly

22.7333, 0.3521, 0.3164

Monochromacy



Original Color

22.7964, 0.3542, 0.3227

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4436, 0.3268, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7964, 0.3542, 0.3227 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(159, 122, 126)` looks like.

```
.text, #text, p{  
    color:rgb(159, 122, 126)  
}
```

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(159, 122, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 122, 126) }
```

Border

The CSS property to change the border of an element to Yxy 22.7964, 0.3542, 0.3227 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(159, 122, 126) }
```

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

```
.border{ border-color:rgb(159, 122, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 122, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 122, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 122, 126);  
box-shadow:4px 4px 4px 4px rgb(159, 122,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7964, 0.3542, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 122, 126) }
```

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

```
.background{ background-color: rgb(159,  
122, 126) }
```

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