

Converting Colors

$Y_{xy}(15.8903, 0.3220, 0.3904)$

Have a look what the booklet for
Yxy(15.8903, 0.3220, 0.3904)
contains.

Yxy(15.7920, 0.3226, 0.3906)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.7920, 0.3226, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	627458
RGB	98, 116, 88
RGB Percent	38%, 45%, 35%
CMY	0.6158, 0.5451, 0.6549
CMYK	0.16, 0.00, 0.24, 0.55
HSL	99°, 14%, 40%
HSV	99°, 24%, 45%
XYZ	13.0428, 15.7920, 11.5954
YIQ	107.4260, -1.7400, -12.5240

Conversions

Conversions Part 2

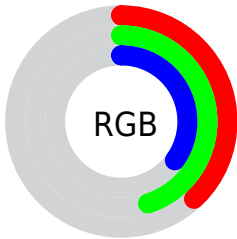
Format	Color
RYB	88, 116, 106
Decimal	6452312
CIELab	46.70, -12.36, 13.30
CIElCh	47, 18.162, 132.898
Yxy	15.7920, 0.3226, 0.3906
Android (android.graphics.Color)	4284642392 (0xFF627458)
YUV	107.4260, -9.5770, -8.2666
Hunter-Lab	39.7391, -10.9582, 10.5174

Details

The Yxy color **15.7920, 0.3226, 0.3906** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.3086, 0.3002, 0.2696**, and the grayscale version is **14.8547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2298, 0.3207, 0.3750**, and **5.0052, 0.3260, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **15.2193, 0.3261, 0.4195**, and if you desaturate by 10%, it is **16.4355, 0.3186, 0.3635**.

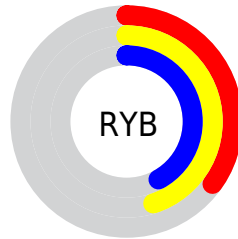
Distribution



Red (38%)

Green (45%)

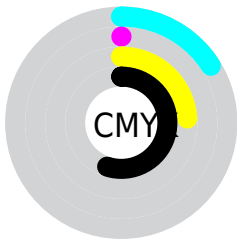
Blue (35%)



Red (35%)

Yellow (45%)

Blue (42%)

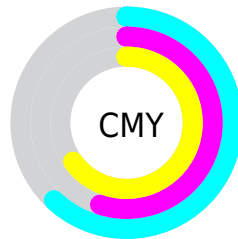


Cyan (16%)

Magenta (0%)

Yellow (24%)

Black (55%)



Cyan (62%)


Magenta (55%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7920, 0.3226, 0.3906 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 15.7920, 0.3226, 0.3906 by changing the saturation by 10% instead.


 15.7920, 0.3226,
0.3906


 15.7920, 0.3226,
0.3906


228.1112, 0.3173,
0.3534

 9.3771, 0.3239,
0.4031


 36.2367, 0.3206,
0.3750


 4.9880, 0.3255,
0.4219

 51.0353, 0.3199,
0.3698


 2.2402, 0.3270,
0.4531

 69.3973, 0.3193,
0.3657

 0.7418, 0.3522,
0.6478

 91.7070, 0.3188,
0.3623

 0.0000, 0.0000,
0.0000

 118.3489, 0.3183,
0.3595

149.7072, 0.3179,

0.3572

186.1666, 0.3176,
0.3551

■ 15.7920, 0.3226,
0.3906

■ 15.7920, 0.3226,
0.3906

■ 15.2193, 0.3261,
0.4195

■ 16.4355, 0.3186,
0.3635

■ 14.7128, 0.3290,
0.4496

■ 17.1500, 0.3145,
0.3386

■ 14.2704, 0.3309,
0.4798

■ 17.9384, 0.3102,
0.3160

■ 13.8895, 0.3315,
0.5088

■ 18.8030, 0.3061,
0.2958

■ 13.5667, 0.3306,
0.5351

■ 19.7458, 0.3021,
0.2777

■ 13.2988, 0.3282,
0.5569

■ 20.7687, 0.2983,
0.2616

■ 13.0811, 0.3243,
0.5735

■ 21.8737, 0.2947,
0.2474

■ 12.9703, 0.3221,
0.5824

■ 23.0626, 0.2913,
0.2348

■ 24.3370, 0.2881,
0.2236

Harmonies

Analogous

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



15.7920, 0.3569, 0.3929



15.7920, 0.3226, 0.3906



15.7920, 0.2870, 0.3684

Triad

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



15.7920, 0.3226, 0.3906



15.7920, 0.2489, 0.2780



15.7920, 0.3684, 0.3204

Complementary

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



15.7920, 0.3226, 0.3906



11.3086, 0.3002, 0.2696

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.



15.7920, 0.3366, 0.2938



15.7920, 0.3226, 0.3906



15.7920, 0.2679, 0.2695

Square

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



15.7920, 0.3226, 0.3906



15.7920, 0.2458, 0.3009



15.7920, 0.2995, 0.2755



15.7920, 0.3846, 0.3504

Rectangle

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



15.7920, 0.3226, 0.3906



15.7920, 0.2671, 0.3462



15.7920, 0.2995, 0.2755



15.7920, 0.3591, 0.3109

Sweetspot

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



15.7927, 0.3226, 0.3906



29.7473, 0.3157, 0.3459



14.6730, 0.3515, 0.3660



7.0844, 0.3159, 0.3469



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.7927, 0.3226, 0.3906



27.1783, 0.3247, 0.4066



15.3357, 0.3055, 0.3842



4.1558, 0.3165, 0.3506



14.5442, 0.3217, 0.5827



70.4338, 0.3182, 0.5855

Inverse Universe

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



11.3086, 0.3002, 0.2696



17.8376, 0.2966, 0.2549



11.8706, 0.3209, 0.2794



3.6958, 0.3086, 0.3077



3.0688, 0.2359, 0.1073



14.4607, 0.2315, 0.1049

Previews

White Background



This preview shows how the Yxy color 15.7920, 0.3226, 0.3906 looks on a white 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

Black Background



This preview shows how the Yxy color 15.7920, 0.3226, 0.3906 looks on a black 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

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

Yxy 15.7920, 0.3226, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 15.7920, 0.3226, 0.3906.



This preview shows how white text looks on a background with the Yxy color 15.7920, 0.3226, 0.3906.

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

15.7920, 0.3226, 0.3906

Protanopia

15.6593, 0.3566, 0.3802

Deuteranopia

15.6354, 0.3665, 0.3603



Tritanopia

15.8524, 0.2906, 0.3105

Trichromacy



Original Color

15.7920, 0.3226, 0.3906

Protanomaly

15.6397, 0.3443, 0.3838

Deuteranomaly

15.6550, 0.3498, 0.3721

Tritanomaly

15.6811, 0.3020, 0.3375

Monochromacy



Original Color

15.7920, 0.3226, 0.3906

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0150, 0.3171, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7920, 0.3226, 0.3906 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(98, 116, 88)` looks like.

```
.text, #text, p{  
    color:rgb(98, 116, 88)  
}
```

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(98, 116, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 116, 88) }
```

Border

The CSS property to change the border of an element to Yxy 15.7920, 0.3226, 0.3906 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(98, 116, 88) }
```

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

```
.border{ border-color:rgb(98, 116, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 116, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 116, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 116, 88);  
box-shadow:4px 4px 4px 4px rgb(98, 116,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7920, 0.3226, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 116, 88) }
```

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

```
.background{ background-color: rgb(98, 116,  
88) }
```

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