

Converting Colors

$Y_{xy}(21.7715, 0.3932, 0.3690)$

Have a look what the booklet for
Yxy(21.7715, 0.3932, 0.3690)
contains.

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Color

Yxy(21.6484, 0.3933, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	9F7860
RGB	159, 120, 96
RGB Percent	62%, 47%, 38%
CMY	0.3765, 0.5294, 0.6236
CMYK	0.00, 0.25, 0.40, 0.38
HSL	23°, 25%, 50%
HSV	23°, 40%, 62%
XYZ	23.1242, 21.6484, 14.0227
YIQ	128.9250, 30.9480, 0.8040

Conversions

Conversions Part 2

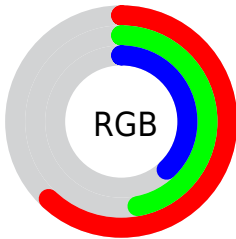
Format	Color
R_{YB}	159, 135, 96
Decimal	10451040
CIE _{Lab}	53.65, 11.91, 19.09
CIE _{LCh}	54, 22.502, 58.033
Yxy	21.6484, 0.3933, 0.3682
Android (android.graphics.Color)	4288641120 (0xFF9F7860)
YUV	128.9250, -16.2320, 26.3758
Hunter-Lab	46.5278, 7.2901, 14.7005

Details

The Yxy color **21.6484, 0.3933, 0.3682** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.3086, 0.2527, 0.2856**, and the grayscale version is **21.9752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0587, 0.3752, 0.3597**, and **7.7924, 0.4271, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **19.1395, 0.4213, 0.3778**, and if you desaturate by 10%, it is **24.4618, 0.3685, 0.3580**.

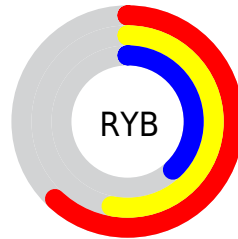
Distribution



Red (62%)

Green (47%)

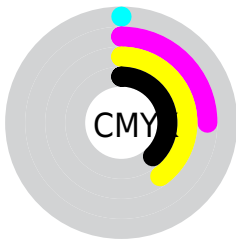
Blue (38%)



Red (62%)

Yellow (53%)

Blue (38%)

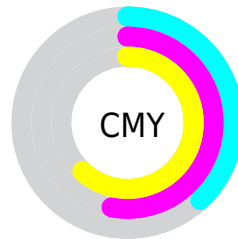


Cyan (0%)

Magenta (25%)

Yellow (40%)

Black (38%)



Cyan (38%)


Magenta (53%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6484, 0.3933, 0.3682 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 21.6484, 0.3933, 0.3682 by changing the saturation by 10% instead.


 21.6484, 0.3933,
0.3682


 21.6484, 0.3933,
0.3682


260.7046, 0.3477,
0.3474


 13.5988, 0.4067,
0.3736


 46.1642, 0.3753,
0.3605


 7.8421, 0.4253,
0.3804


 63.3991, 0.3690,
0.3576

 3.9941, 0.4525,
0.3889

 84.4647, 0.3638,
0.3552

 1.6703, 0.5115,
0.4119

 109.7451, 0.3595,
0.3532

 0.4043, 0.6254,
0.3746

139.6250, 0.3558,
0.3514

 0.0000, 0.0000,
0.0000

174.4886, 0.3527,

0.3499

214.7203, 0.3500,
0.3486

■ 21.6484, 0.3933,
0.3682

■ 21.6484, 0.3933,
0.3682

■ 19.1395, 0.4213,
0.3778

■ 24.4618, 0.3685,
0.3580

■ 16.9210, 0.4520,
0.3860

■ 27.5867, 0.3468,
0.3478

■ 14.9823, 0.4844,
0.3916

■ 31.0341, 0.3282,
0.3379


■ 13.3109, 0.5166,
0.3934


■ 34.8132, 0.3122,
0.3287

■ 11.8929, 0.5462,
0.3905

■ 38.9329, 0.2985,
0.3200

 10.7073, 0.5720,
0.3835

 43.4018, 0.2867,
0.3121

 10.6670, 0.5729,
0.3833

 48.2281, 0.2766,
0.3048

 53.4198, 0.2679,
0.2982

 58.9846, 0.2604,
0.2921

Harmonies

Analogous

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



21.6484, 0.3868, 0.3358



21.6484, 0.3933, 0.3682



21.6484, 0.3767, 0.3933

Triad

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



21.6484, 0.3933, 0.3682



21.6484, 0.2668, 0.3546



21.6484, 0.2791, 0.2647

Complementary

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



21.6484, 0.3933, 0.3682



22.3086, 0.2527, 0.2856

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.



21.6484, 0.2505, 0.2656



21.6484, 0.3933, 0.3682



21.6484, 0.2437, 0.3148

Square

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



21.6484, 0.3933, 0.3682



21.6484, 0.3029, 0.3882



21.6484, 0.2380, 0.2827



21.6484, 0.3186, 0.2786

Rectangle

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



21.6484, 0.3933, 0.3682



21.6484, 0.3557, 0.4016



21.6484, 0.2380, 0.2827



21.6484, 0.2680, 0.2632

Sweetspot

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



21.6494, 0.3933, 0.3682



53.9234, 0.3328, 0.3405



17.5079, 0.3480, 0.2659



11.9864, 0.3349, 0.3416



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.



21.6494, 0.3933, 0.3682



34.5848, 0.4192, 0.3772



30.2163, 0.3751, 0.4135



7.0400, 0.3275, 0.3376



8.5018, 0.5714, 0.3845



0.2307, 0.5038, 0.4382

Inverse Universe

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



22.3086, 0.2527, 0.2856



35.9168, 0.2394, 0.2733



14.9678, 0.2439, 0.2272



7.0842, 0.2988, 0.3203



9.0149, 0.1894, 0.2018



0.2409, 0.2052, 0.2585

Previews

White Background



This preview shows how the Yxy color 21.6484, 0.3933, 0.3682 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 21.6484, 0.3933, 0.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

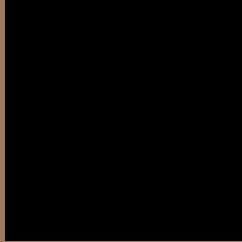
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6484, 0.3933, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 21.6484, 0.3933, 0.3682.



This preview shows how white text looks on a background with the Yxy color 21.6484, 0.3933, 0.3682.

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

21.6484, 0.3933, 0.3682

Protanopia

21.6768, 0.3556, 0.3791

Deuteranopia

21.6675, 0.3836, 0.3761



Tritanopia

21.6528, 0.3613, 0.3148

Trichromacy



Original Color

21.6484, 0.3933, 0.3682

Protanomaly

21.5878, 0.3685, 0.3741

Deuteranomaly

21.7139, 0.3881, 0.3738

Tritanomaly

21.5146, 0.3741, 0.3340

Monochromacy



Original Color

21.6484, 0.3933, 0.3682

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7815, 0.3401, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6484, 0.3933, 0.3682 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, 120, 96)` looks like.

```
.text, #text, p{  
    color:rgb(159, 120, 96)  
}
```

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, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 120, 96) }
```

Border

The CSS property to change the border of an element to Yxy 21.6484, 0.3933, 0.3682 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, 120, 96) }
```

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

```
.border{ border-color:rgb(159, 120, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 120, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(159, 120,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6484, 0.3933, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 120, 96) }
```

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

```
.background{ background-color: rgb(159,  
120, 96) }
```

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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