

Converting Colors

$Y_{xy}(21.3397, 0.3210, 0.3669)$

Have a look what the booklet for
Yxy(21.3397, 0.3210, 0.3669)
contains.

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Color

Yxy(21.3734, 0.3214, 0.3667)

Conversions

Conversions Part 1

Format	Color
Hex	78836F
RGB	120, 131, 111
RGB Percent	47%, 51%, 44%
CMY	0.5294, 0.4863, 0.5647
CMYK	0.08, 0.00, 0.15, 0.49
HSL	93°, 8%, 47%
HSV	93°, 15%, 51%
XYZ	18.7331, 21.3734, 18.1793
YIQ	125.4310, -0.1360, -8.5520

Conversions

Conversions Part 2

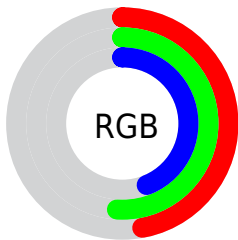
Format	Color
R_{YB}	111, 131, 122
Decimal	7897967
CIE Lab	53.36, -7.97, 9.45
CIE LCh	53, 12.361, 130.142
Yxy	21.3734, 0.3214, 0.3667
Android (android.graphics.Color)	4286088047 (0xFF78836F)
YUV	125.4310, -7.1145, -4.7630
Hunter-Lab	46.2314, -8.5763, 9.0476

Details

The Yxy color $21.3734, 0.3214, 0.3667$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $17.1466, 0.3029, 0.2916$, and the grayscale version is $20.6870, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.6960, 0.3190, 0.3576$, and $7.7331, 0.3241, 0.3848$ is the 20% darker color. If you saturate the color by 10%, you get $20.6110, 0.3269, 0.3939$, and if you desaturate by 10%, it is $22.2187, 0.3157, 0.3414$.

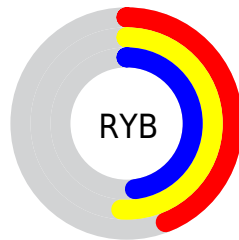
Distribution



Red (47%)

Green (51%)

Blue (44%)



Red (44%)

Yellow (51%)

Blue (48%)

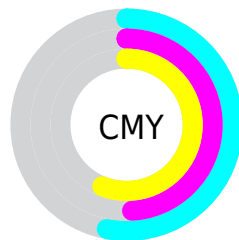


Cyan (8%)

Magenta (0%)

Yellow (15%)

Black (49%)



Cyan (53%)

Magenta (49%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3734, 0.3214, 0.3667 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 21.3734, 0.3214, 0.3667 by changing the saturation by 10% instead.

■ 21.3734, 0.3214,
0.3667

■ 21.3734, 0.3214,
0.3667

■ 259.2563, 0.3167,
0.3451

■ 13.3972, 0.3227,
0.3733

■ 45.7082, 0.3196,
0.3580

■ 7.7026, 0.3244,
0.3828

■ 62.8355, 0.3189,
0.3550

■ 3.9053, 0.3269,
0.3973

■ 83.7821, 0.3184,
0.3526

■ 1.6207, 0.3303,
0.4224

■ 108.9322, 0.3179,
0.3506

■ 0.3715, 0.2991,
0.7009

■ 138.6703, 0.3176,
0.3489

■ 0.0000, 0.0000,
0.0000

173.3807, 0.3172,

0.3474

213.4479, 0.3169,
0.3462

■ 21.3734, 0.3214,
0.3667

■ 21.3734, 0.3214,
0.3667

■ 20.6110, 0.3269,
0.3939

■ 22.2187, 0.3157,
0.3414

■ 19.9260, 0.3319,
0.4226

■ 23.1467, 0.3100,
0.3183

■ 19.3165, 0.3360,
0.4521

■ 24.1606, 0.3045,
0.2974

■ 18.7794, 0.3391,
0.4812

■ 25.2629, 0.2991,
0.2786

■ 18.3116, 0.3406,
0.5088

■ 26.4557, 0.2941,
0.2618

■ 17.9093, 0.3403,
0.5332

■ 27.7411, 0.2893,
0.2468

■ 17.5686, 0.3380,
0.5532

■ 29.1213, 0.2849,
0.2335

■ 17.2839, 0.3340,
0.5681

■ 30.5982, 0.2807,
0.2216

■ 17.1626, 0.3321,
0.5745

■ 32.1738, 0.2769,
0.2111

Harmonies

Analogous

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



21.3734, 0.3420, 0.3678



21.3734, 0.3214, 0.3667



21.3734, 0.2990, 0.3544

Triad

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



21.3734, 0.3214, 0.3667



21.3734, 0.2720, 0.2986



21.3734, 0.3454, 0.3224

Complementary

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



21.3734, 0.3214, 0.3667



17.1466, 0.3029, 0.2916

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.



21.3734, 0.3256, 0.3055



21.3734, 0.3214, 0.3667



21.3734, 0.2834, 0.2918

Square

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



21.3734, 0.3214, 0.3667



21.3734, 0.2710, 0.3140



21.3734, 0.3028, 0.2944



21.3734, 0.3563, 0.3414

Rectangle

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



21.3734, 0.3214, 0.3667



21.3734, 0.2861, 0.3416



21.3734, 0.3028, 0.2944



21.3734, 0.3395, 0.3163

Sweetspot

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



21.3743, 0.3214, 0.3667



39.8126, 0.3156, 0.3411



19.8113, 0.3370, 0.3487



9.2470, 0.3160, 0.3425



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.3743, 0.3214, 0.3667



37.8307, 0.3232, 0.3751



20.7750, 0.3102, 0.3666



5.2998, 0.3179, 0.3510



16.8958, 0.3321, 0.5745



0.0628, 0.3666, 0.5471

Inverse Universe

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



17.1466, 0.3029, 0.2916



28.8868, 0.3005, 0.2834



17.8167, 0.3152, 0.2941



4.6612, 0.3071, 0.3071



2.9702, 0.2150, 0.0958



0.0146, 0.2614, 0.1214

Previews

White Background



This preview shows how the Yxy color 21.3734, 0.3214, 0.3667 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 21.3734, 0.3214, 0.3667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

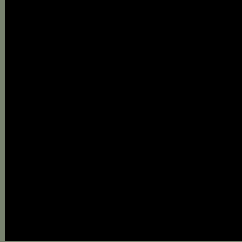
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

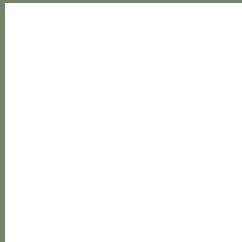
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.3734, 0.3214, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 21.3734, 0.3214, 0.3667.



This preview shows how white text looks on a background with the Yxy color 21.3734, 0.3214, 0.3667.

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

21.3734, 0.3214, 0.3667

Protanopia

21.3512, 0.3417, 0.3615

Deuteranopia

21.3779, 0.3522, 0.3464



Tritanopia

21.2700, 0.2986, 0.3110

Trichromacy



Original Color

21.3734, 0.3214, 0.3667

Protanomaly

21.2313, 0.3340, 0.3621

Deuteranomaly

21.3258, 0.3410, 0.3541

Tritanomaly

21.2078, 0.3069, 0.3290

Monochromacy



Original Color

21.3734, 0.3214, 0.3667

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7458, 0.3157, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3734, 0.3214, 0.3667 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(120, 131, 111)` looks like.

```
.text, #text, p{  
    color:rgb(120, 131, 111)  
}
```

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(120, 131, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 131, 111) }
```

Border

The CSS property to change the border of an element to Yxy 21.3734, 0.3214, 0.3667 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(120, 131, 111) }
```

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

```
.border{ border-color:rgb(120, 131, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 131, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 131, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 131, 111);  
box-shadow:4px 4px 4px 4px rgb(120, 131,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3734, 0.3214, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 131, 111) }
```

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

```
.background{ background-color: rgb(120,  
131, 111) }
```

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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