

Converting Colors

$Y_{xy}(21.8052, 0.3296, 0.4046)$

Have a look what the booklet for
Yxy(21.8052, 0.3296, 0.4046)
contains.

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Color

Yxy(21.7499, 0.3293, 0.4043)

Conversions

Conversions Part 1

Format	Color
Hex	728760
RGB	114, 135, 96
RGB Percent	45%, 53%, 38%
CMY	0.5529, 0.4706, 0.6235
CMYK	0.16, 0.00, 0.29, 0.47
HSL	92°, 17%, 45%
HSV	92°, 29%, 53%
XYZ	17.7152, 21.7499, 14.3314
YIQ	124.2750, 0.0030, -16.5810

Conversions

Conversions Part 2

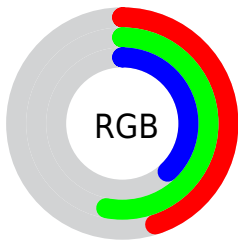
Format	Color
R_{YB}	96, 135, 117
Decimal	7505760
CIE _{Lab}	53.76, -15.08, 18.54
CIE _{LCh}	54, 23.902, 129.128
Yxy	21.7499, 0.3293, 0.4043
Android (android.graphics.Color)	4285695840 (0xFF728760)
YUV	124.2750, -13.9396, -9.0112
Hunter-Lab	46.6368, -13.8105, 14.4261

Details

The Yxy color $21.7499, 0.3293, 0.4043$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $13.8978, 0.2913, 0.2547$, and the grayscale version is $20.3006, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.1800, 0.3258, 0.3861$, and $7.8426, 0.3337, 0.4374$ is the 20% darker color. If you saturate the color by 10%, you get $21.0549, 0.3342, 0.4334$, and if you desaturate by 10%, it is $22.5283, 0.3238, 0.3765$.

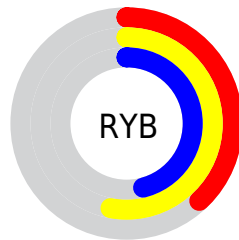
Distribution



Red (45%)

Green (53%)

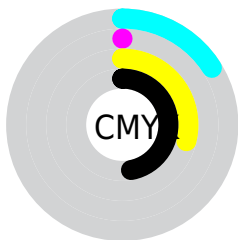
Blue (38%)



Red (38%)

Yellow (53%)

Blue (46%)

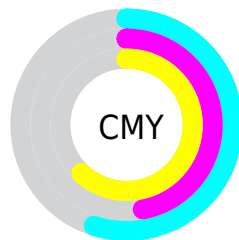


Cyan (16%)

Magenta (0%)

Yellow (29%)

Black (47%)



Cyan (55%)

Magenta (47%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7499, 0.3293, 0.4043 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 21.7499, 0.3293, 0.4043 by changing the saturation by 10% instead.


 21.7499, 0.3293,
0.4043


 21.7499, 0.3293,
0.4043


261.2374, 0.3207,
0.3606


 13.6732, 0.3313,
0.4178


 46.3323, 0.3262,
0.3867

 7.8938, 0.3338,
0.4370


 63.6068, 0.3250,
0.3806

 4.0270, 0.3363,
0.4665

 84.7161, 0.3240,
0.3757

 1.6887, 0.3497,
0.5354

 110.0445, 0.3232,
0.3717

 0.4163, 0.0620,
0.9380

139.9764, 0.3224,
0.3682

 0.0000, 0.0000,
0.0000

174.8963, 0.3218,

0.3653

215.1885, 0.3212,
0.3628

■ 21.7499, 0.3293,
0.4043

■ 21.7499, 0.3293,
0.4043

■ 21.0549, 0.3342,
0.4334

■ 22.5283, 0.3238,
0.3765

■ 20.4373, 0.3382,
0.4628

■ 23.3901, 0.3180,
0.3504

■ 19.8947, 0.3409,
0.4914


■ 24.3390, 0.3121,
0.3264


■ 19.4237, 0.3418,
0.5178

■ 25.3775, 0.3063,
0.3047

■ 19.0202, 0.3409,
0.5406


■ 26.5083, 0.3007,
0.2850


 18.6797, 0.3380,
0.5585


 27.7335, 0.2953,
0.2674

 18.3926, 0.3337,
0.5721

 29.0556, 0.2903,
0.2518

 18.3628, 0.3333,
0.5736

 30.4768, 0.2856,
0.2378

 31.9991, 0.2813,
0.2253

Harmonies

Analogous

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



21.7499, 0.3689, 0.4032



21.7499, 0.3293, 0.4043



21.7499, 0.2870, 0.3806

Triad

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



21.7499, 0.3293, 0.4043



21.7499, 0.2365, 0.2712



21.7499, 0.3748, 0.3143

Complementary

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



21.7499, 0.3293, 0.4043



13.8978, 0.2913, 0.2547

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.



21.7499, 0.3352, 0.2845



21.7499, 0.3293, 0.4043



21.7499, 0.2563, 0.2597

Square

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



21.7499, 0.3293, 0.4043



21.7499, 0.2353, 0.2996



21.7499, 0.2916, 0.2649



21.7499, 0.3969, 0.3489

Rectangle

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



21.7499, 0.3293, 0.4043



21.7499, 0.2629, 0.3546



21.7499, 0.2916, 0.2649



21.7499, 0.3629, 0.3036

Sweetspot

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



21.7508, 0.3293, 0.4043



41.8348, 0.3181, 0.3512



18.6724, 0.3629, 0.3675



9.6404, 0.3189, 0.3545



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.7508, 0.3293, 0.4043



38.0754, 0.3328, 0.4243



20.6843, 0.3077, 0.4064



5.3022, 0.3181, 0.3510



16.9400, 0.3335, 0.5734



0.0630, 0.3679, 0.5461

Inverse Universe

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



13.8978, 0.2913, 0.2547



21.5021, 0.2848, 0.2354



15.2304, 0.3177, 0.2621



4.6588, 0.3069, 0.3071



2.9160, 0.2128, 0.0946



0.0144, 0.2597, 0.1204

Previews

White Background



This preview shows how the Yxy color 21.7499, 0.3293, 0.4043 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 21.7499, 0.3293, 0.4043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

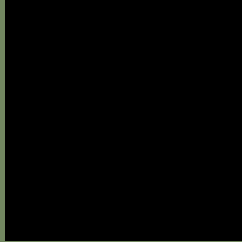
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7499, 0.3293, 0.4043

Background



This preview shows how black text looks on a background with the Yxy color 21.7499, 0.3293, 0.4043.



This preview shows how white text looks on a background with the Yxy color 21.7499, 0.3293, 0.4043.

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

21.7499, 0.3293, 0.4043

Protanopia

21.6319, 0.3650, 0.3913

Deuteranopia

21.5508, 0.3760, 0.3698



Tritanopia

21.6589, 0.2922, 0.3092

Trichromacy



Original Color

21.7499, 0.3293, 0.4043

Protanomaly

21.7079, 0.3510, 0.3971

Deuteranomaly

21.3790, 0.3584, 0.3810

Tritanomaly

21.5394, 0.3053, 0.3420

Monochromacy



Original Color

21.7499, 0.3293, 0.4043

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6463, 0.3186, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7499, 0.3293, 0.4043 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(114, 135, 96)` looks like.

```
.text, #text, p{  
    color:rgb(114, 135, 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(114, 135, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 135, 96) }
```

Border

The CSS property to change the border of an element to Yxy 21.7499, 0.3293, 0.4043 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(114, 135, 96) }
```

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

```
.border{ border-color:rgb(114, 135, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 135, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 135, 96); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 135, 96); box-shadow:4px 4px 4px 4px rgb(114, 135, 96) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7499, 0.3293, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 135, 96) }
```

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

```
.background{ background-color: rgb(114,  
135, 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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