

Converting Colors

$Y_{xy}(21.6569, 0.3007, 0.4046)$

Have a look what the booklet for
Yxy(21.6569, 0.3007, 0.4046)
contains.

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Color

Yxy(21.7517, 0.3000, 0.4042)

Conversions

Conversions Part 1

Format	Color
Hex	5D8B66
RGB	93, 139, 102
RGB Percent	36%, 55%, 40%
CMY	0.6353, 0.4549, 0.6000
CMYK	0.33, 0.00, 0.27, 0.45
HSL	132°, 20%, 45%
HSV	132°, 33%, 55%
XYZ	16.1443, 21.7517, 15.9182
YIQ	121.0280, -15.5390, -21.2590

Conversions

Conversions Part 2

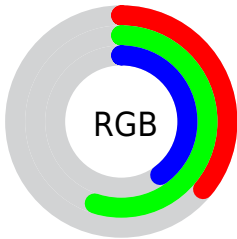
Format	Color
R_{YB}	93, 131, 139
Decimal	6130534
CIE _{Lab}	53.76, -23.80, 14.92
CIE _{LCh}	54, 28.087, 147.912
Yxy	21.7517, 0.3000, 0.4042
Android (android.graphics.Color)	4284320614 (0xFF5D8B66)
YUV	121.0280, -9.3808, -24.5806
Hunter-Lab	46.6387, -19.8290, 12.4109

Details

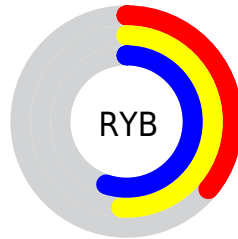
The Yxy color **21.7517, 0.3000, 0.4042** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.9277, 0.3288, 0.2640**, and the grayscale version is **19.1644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4596, 0.3038, 0.3867**, and **7.9561, 0.2924, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **20.8850, 0.2966, 0.4318**, and if you desaturate by 10%, it is **22.7819, 0.3037, 0.3786**.

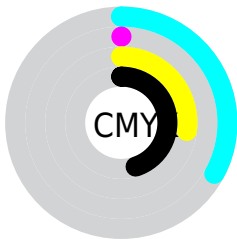
Distribution



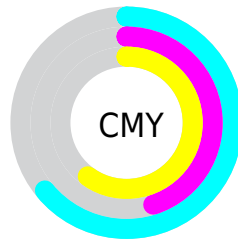
- Red (36%)
- Green (55%)
- Blue (40%)



- Red (36%)
- Yellow (51%)
- Blue (55%)



- Cyan (33%)
- Magenta (0%)
- Yellow (27%)
- Black (45%)





- Cyan (64%)
- Magenta (45%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7517, 0.3000, 0.4042 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 21.7517, 0.3000, 0.4042 by changing the saturation by 10% instead.


 21.7517, 0.3000,
0.4042


 21.7517, 0.3000,
0.4042


261.2468, 0.3080,
0.3602


 13.6746, 0.2971,
0.4181


 46.3353, 0.3035,
0.3863


 7.8947, 0.2927,
0.4383


 63.6105, 0.3046,
0.3801

 4.0276, 0.2852,
0.4698

 84.7205, 0.3055,
0.3752

 1.6890, 0.2735,
0.5324

 110.0498, 0.3062,
0.3711

 0.4165, 0.0000,
1.0000

139.9827, 0.3068,
0.3677

 0.0000, 0.0000,
0.0000

174.9035, 0.3073,

0.3648

215.1968, 0.3077,
0.3623

■ 21.7517, 0.3000,
0.4042

■ 21.7517, 0.3000,
0.4042

■ 20.8850, 0.2966,
0.4318

■ 22.7819, 0.3037,
0.3786

■ 20.1709, 0.2938,
0.4609

■ 23.9808, 0.3076,
0.3555

■ 19.6011, 0.2919,
0.4902

■ 25.3563, 0.3115,
0.3349

■ 19.1655, 0.2910,
0.5185


■ 26.9154, 0.3153,
0.3167

■ 18.8528, 0.2913,
0.5441


■ 28.6645, 0.3190,
0.3008

 18.6495, 0.2928,
0.5655

 30.6097, 0.3224,
0.2870

 18.5468, 0.2938,
0.5775

 32.7569, 0.3257,
0.2749

 35.1117, 0.3287,
0.2645

 37.6794, 0.3315,
0.2554

Harmonies

Analogous

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



21.7517, 0.3499, 0.4210



21.7517, 0.3000, 0.4042



21.7517, 0.2558, 0.3611

Triad

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



21.7517, 0.3000, 0.4042



21.7517, 0.2362, 0.2510



21.7517, 0.4053, 0.3361

Complementary

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



21.7517, 0.3000, 0.4042



14.9277, 0.3288, 0.2640

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.



21.7517, 0.3698, 0.2977



21.7517, 0.3000, 0.4042



21.7517, 0.2707, 0.2505

Square

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



21.7517, 0.3000, 0.4042



21.7517, 0.2213, 0.2712



21.7517, 0.3193, 0.2673



21.7517, 0.4130, 0.3758

Rectangle

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



21.7517, 0.3000, 0.4042



21.7517, 0.2350, 0.3268



21.7517, 0.3193, 0.2673



21.7517, 0.3961, 0.3228

Sweetspot

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



21.7526, 0.3000, 0.4042



43.6200, 0.3087, 0.3493



24.0477, 0.3507, 0.4113



9.9831, 0.3083, 0.3520



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.7526, 0.3000, 0.4042



37.7213, 0.2973, 0.4255



22.2595, 0.2797, 0.3575



5.6232, 0.3092, 0.3471



16.7402, 0.2936, 0.5769



0.1129, 0.2752, 0.5109

Inverse Universe

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



14.9277, 0.3288, 0.2640



23.4733, 0.3336, 0.2489



14.3896, 0.3625, 0.3025



5.1125, 0.3165, 0.3116



6.0078, 0.3759, 0.1844



0.0419, 0.3459, 0.1679

Previews

White Background



This preview shows how the Yxy color 21.7517, 0.3000, 0.4042 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 21.7517, 0.3000, 0.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

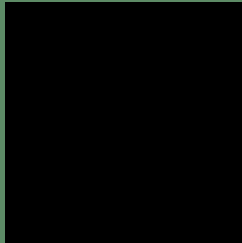
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7517, 0.3000, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 21.7517, 0.3000, 0.4042.



This preview shows how white text looks on a background with the Yxy color 21.7517, 0.3000, 0.4042.

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

21.7517, 0.3000, 0.4042

Protanopia

21.6198, 0.3591, 0.3845

Deuteranopia

21.4817, 0.3660, 0.3599



Tritanopia

21.5554, 0.2688, 0.3084

Trichromacy



Original Color

21.7517, 0.3000, 0.4042

Protanomaly

21.4683, 0.3353, 0.3915

Deuteranomaly

21.2892, 0.3393, 0.3753

Tritanomaly

21.5096, 0.2796, 0.3405

Monochromacy



Original Color

21.7517, 0.3000, 0.4042

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.0328, 0.3079, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7517, 0.3000, 0.4042 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(93, 139, 102)` looks like.

```
.text, #text, p{  
  color:rgb(93, 139, 102)  
}
```

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(93, 139, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 139, 102) }
```

Border

The CSS property to change the border of an element to Yxy 21.7517, 0.3000, 0.4042 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(93, 139, 102) }
```

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

```
.border{ border-color:rgb(93, 139, 102) }
```

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

Here you see how a box with a 4 pixel rgb(93, 139, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 139, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 139, 102);  
box-shadow:4px 4px 4px 4px rgb(93, 139,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7517, 0.3000, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 139, 102) }
```

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

```
.background{ background-color: rgb(93, 139,  
102) }
```

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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