

Converting Colors

$Y_{xy}(21.3377, 0.3388, 0.4322)$

Have a look what the booklet for
Yxy(21.3377, 0.3388, 0.4322)
contains.

Yxy(21.3166, 0.3398, 0.4326)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3166, 0.3398, 0.4326)

Conversions

Conversions Part 1

Format	Color
Hex	6F8752
RGB	111, 135, 82
RGB Percent	44%, 53%, 32%
CMY	0.5647, 0.4706, 0.6784
CMYK	0.18, 0.00, 0.39, 0.47
HSL	87°, 24%, 43%
HSV	87°, 39%, 53%
XYZ	16.7438, 21.3166, 11.2151
YIQ	121.7820, 2.7090, -21.5710

Conversions

Conversions Part 2

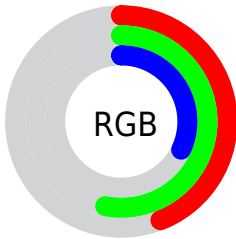
Format	Color
R_{YB}	82, 135, 106
Decimal	7309138
CIE _{Lab}	53.29, -18.39, 25.72
CIE _{LCh}	53, 31.620, 125.566
Yxy	21.3166, 0.3398, 0.4326
Android (android.graphics.Color)	4285499218 (0xFF6F8752)
YUV	121.7820, -19.6125, -9.4558
Hunter-Lab	46.1699, -16.0631, 17.9168

Details

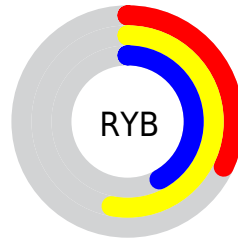
The Yxy color $21.3166, 0.3398, 0.4326$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $10.8480, 0.2749, 0.2237$, and the grayscale version is $19.4530, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.4189, 0.3347, 0.4081$, and $7.6485, 0.3459, 0.4764$ is the 20% darker color. If you saturate the color by 10%, you get $20.7488, 0.3451, 0.4609$, and if you desaturate by 10%, it is $21.9538, 0.3335, 0.4044$.

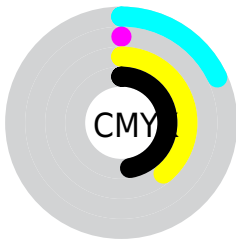
Distribution



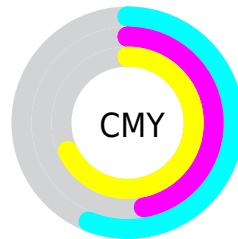
- Red (44%)
- Green (53%)
- Blue (32%)



- Red (32%)
- Yellow (53%)
- Blue (42%)



- Cyan (18%)
- Magenta (0%)
- Yellow (39%)
- Black (47%)





- Cyan (56%)
- Magenta (47%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3166, 0.3398, 0.4326 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 21.3166, 0.3398, 0.4326 by changing the saturation by 10% instead.


 21.3166, 0.3398,
0.4326


 21.3166, 0.3398,
0.4326


258.9563, 0.3261,
0.3722


 13.3556, 0.3428,
0.4512


 45.6139, 0.3350,
0.4082


 7.6739, 0.3460,
0.4776


 62.7189, 0.3331,
0.3998

 3.8870, 0.3483,
0.5173

 83.6408, 0.3315,
0.3930

 1.6105, 0.3721,
0.6279

 108.7639, 0.3301,
0.3874

 0.3647, 0.0000,
1.0000

 138.4726, 0.3289,
0.3827

 0.0000, 0.0000,
0.0000

173.1513, 0.3278,

0.3787

213.1844, 0.3269,
0.3752

■ 21.3166, 0.3398,
0.4326

■ 21.3166, 0.3398,
0.4326

■ 20.7488, 0.3451,
0.4609

■ 21.9538, 0.3335,
0.4044

■ 20.2448, 0.3490,
0.4880

■ 22.6603, 0.3266,
0.3771

■ 19.8022, 0.3511,
0.5129

■ 23.4397, 0.3194,
0.3513

■ 19.4175, 0.3511,
0.5341

■ 24.2942, 0.3122,
0.3273

■ 19.0867, 0.3489,
0.5507

■ 25.2262, 0.3051,
0.3053

■ 18.8000, 0.3452,
0.5634

■ 26.2379, 0.2983,
0.2854

■ 18.7797, 0.3450,
0.5643

■ 27.3313, 0.2919,
0.2674

■ 28.5084, 0.2859,
0.2513

■ 29.7712, 0.2803,
0.2368

Harmonies

Analogous

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



21.3166, 0.3910, 0.4243



21.3166, 0.3398, 0.4326



21.3166, 0.2839, 0.4048

Triad

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



21.3166, 0.3398, 0.4326



21.3166, 0.2124, 0.2556



21.3166, 0.3901, 0.3039

Complementary

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



21.3166, 0.3398, 0.4326



10.8480, 0.2749, 0.2237

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.



21.3166, 0.3350, 0.2674



21.3166, 0.3398, 0.4326



21.3166, 0.2347, 0.2395

Square

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



21.3166, 0.3398, 0.4326



21.3166, 0.2135, 0.2942



21.3166, 0.2779, 0.2444



21.3166, 0.4233, 0.3476

Rectangle

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



21.3166, 0.3398, 0.4326



21.3166, 0.2516, 0.3699



21.3166, 0.2779, 0.2444



21.3166, 0.3732, 0.2906

Sweetspot

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



21.3175, 0.3398, 0.4326



41.5417, 0.3216, 0.3589



16.0377, 0.3883, 0.3739



9.5850, 0.3224, 0.3616



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.



21.3175, 0.3398, 0.4326



37.2738, 0.3445, 0.4575



19.8522, 0.3101, 0.4428



5.3210, 0.3193, 0.3509



17.3253, 0.3452, 0.5641



0.0644, 0.3776, 0.5383

Inverse Universe

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



10.8480, 0.2749, 0.2237



15.8058, 0.2639, 0.1979



12.7182, 0.3132, 0.2348



4.6401, 0.3057, 0.3070



2.5386, 0.1963, 0.0855



0.0130, 0.2456, 0.1127

Previews

White Background



This preview shows how the Yxy color 21.3166, 0.3398, 0.4326 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 21.3166, 0.3398, 0.4326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

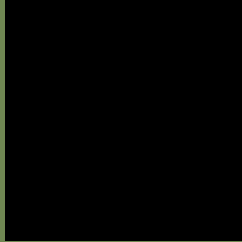
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3166, 0.3398, 0.4326

Background



This preview shows how black text looks on a background with the Yxy color 21.3166, 0.3398, 0.4326.



This preview shows how white text looks on a background with the Yxy color 21.3166, 0.3398, 0.4326.

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

21.3166, 0.3398, 0.4326

Protanopia

21.2322, 0.3827, 0.4136

Deuteranopia

21.0060, 0.3971, 0.3893



Tritanopia

21.1953, 0.2920, 0.3108

Trichromacy



Original Color

21.3166, 0.3398, 0.4326

Protanomaly

21.2116, 0.3667, 0.4208

Deuteranomaly

20.8802, 0.3751, 0.4042

Tritanomaly

21.2536, 0.3093, 0.3536

Monochromacy



Original Color

21.3166, 0.3398, 0.4326

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.0918, 0.3241, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3166, 0.3398, 0.4326 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(111, 135, 82)` looks like.

```
.text, #text, p{  
    color:rgb(111, 135, 82)  
}
```

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(111, 135, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 135, 82) }
```

Border

The CSS property to change the border of an element to Yxy 21.3166, 0.3398, 0.4326 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(111, 135, 82) }
```

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

```
.border{ border-color:rgb(111, 135, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 135, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 135, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 135, 82);  
box-shadow:4px 4px 4px 4px rgb(111, 135,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3166, 0.3398, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 135, 82) }
```

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

```
.background{ background-color: rgb(111,  
135, 82) }
```

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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