

Converting Colors

$Yxy(21.5458, 0.2469, 0.3853)$

Have a look what the booklet for
Yxy(21.5458, 0.2469, 0.3853)
contains.

Yxy(21.5458, 0.2469, 0.3853)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5458, 0.2469, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	1F9076
RGB	31, 144, 118
RGB Percent	12%, 56%, 46%
CMY	0.8786, 0.4353, 0.5373
CMYK	0.79, 0.00, 0.18, 0.44
HSL	166°, 65%, 34%
HSV	166°, 79%, 56%
XYZ	13.8065, 21.5458, 20.5672
YIQ	107.2490, -59.0020, -32.0420

Conversions

Conversions Part 2

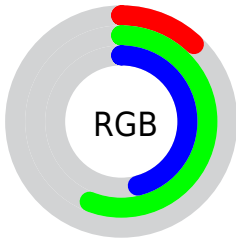
Format	Color
RYB	31, 95, 144
Decimal	2068598
CIELab	53.54, -36.91, 5.15
CIELCh	54, 37.269, 172.064
Yxy	21.5458, 0.2469, 0.3853
Android (android.graphics.Color)	4280258678 (0xFF1F9076)
YUV	107.2490, 5.3002, -66.8704
Hunter-Lab	46.4175, -28.1370, 6.2213

Details

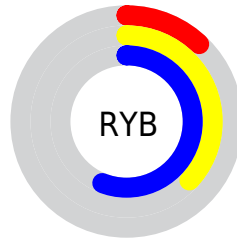
The Yxy color **21.5458, 0.2469, 0.3853** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.2022, 0.5192, 0.2938**, and the grayscale version is **14.7690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1820, 0.2617, 0.3730**, and **8.2709, 0.2459, 0.4051** is the 20% darker color. If you saturate the color by 10%, you get **21.2938, 0.2453, 0.3936**, and if you desaturate by 10%, it is **21.9021, 0.2503, 0.3770**.

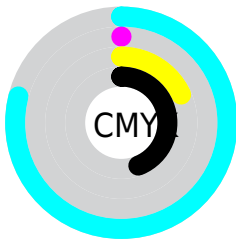
Distribution



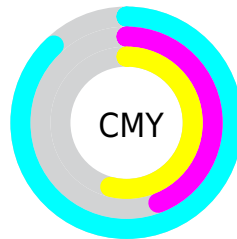
- Red (12%)
- Green (56%)
- Blue (46%)



- Red (12%)
- Yellow (37%)
- Blue (56%)



- Cyan (79%)
- Magenta (0%)
- Yellow (18%)
- Black (44%)




- Cyan (88%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5458, 0.2469, 0.3853 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 21.5458, 0.2469, 0.3853 by changing the saturation by 10% instead.


 21.5458, 0.2469,
0.3853


 21.5458, 0.2469,
0.3853


260.1651, 0.2842,
0.3528


 13.5235, 0.2358,
0.3953

 45.9941, 0.2617,
0.3722


 7.7900, 0.2203,
0.4096


 63.1890, 0.2668,
0.3677


 3.9609, 0.1972,
0.4315

 84.2102, 0.2711,
0.3641

 1.6517, 0.1504,
0.4743

 109.4422, 0.2746,
0.3610

 0.3921, 0.0000,
0.8537

 139.2692, 0.2775,
0.3585

 0.0000, 0.0000,
0.0000

 174.0758, 0.2801,

0.3563

214.2463, 0.2823,
0.3544

■ 21.5458, 0.2469,
0.3853

■ 21.5458, 0.2469,
0.3853

■ 21.2938, 0.2453,
0.3936

■ 21.9021, 0.2503,
0.3770

■ 21.1179, 0.2453,
0.4019

■ 22.3722, 0.2556,
0.3689

■ 21.0932, 0.2453,
0.4031

■ 22.9669, 0.2625,
0.3610

■ 23.6954, 0.2710,
0.3535

■ 24.5659, 0.2807,
0.3464

■ 25.5860, 0.2913,
0.3398

■ 26.7626, 0.3027,
0.3337

■ 28.1024, 0.3145,
0.3282

■ 29.6114, 0.3265,
0.3233

Harmonies

Analogous

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



21.5458, 0.3067, 0.4398



21.5458, 0.2469, 0.3853



21.5458, 0.2074, 0.3150

Triad

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



21.5458, 0.2469, 0.3853



21.5458, 0.2468, 0.2264



21.5458, 0.4467, 0.3768

Complementary

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



21.5458, 0.2469, 0.3853



7.2022, 0.5192, 0.2938

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.



21.5458, 0.4296, 0.3259



21.5458, 0.2469, 0.3853



21.5458, 0.3071, 0.2440

Square

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



21.5458, 0.2469, 0.3853



21.5458, 0.2080, 0.2305



21.5458, 0.3760, 0.2792



21.5458, 0.4236, 0.4235

Rectangle

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



21.5458, 0.2469, 0.3853



21.5458, 0.1957, 0.2754



21.5458, 0.3760, 0.2792



21.5458, 0.4457, 0.3598

Sweetspot

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



21.5466, 0.2469, 0.3853



44.0148, 0.2848, 0.3437



20.9266, 0.3176, 0.5572



9.9662, 0.2815, 0.3458



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.5466, 0.2469, 0.3853



37.3251, 0.2453, 0.3997



14.3068, 0.2130, 0.2628



6.0954, 0.3019, 0.3341



18.3703, 0.2452, 0.4027



0.1790, 0.2344, 0.3639

Inverse Universe

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



7.2022, 0.5192, 0.2938



10.9440, 0.5814, 0.3028



9.3764, 0.5328, 0.3722



5.4432, 0.3248, 0.3240



5.2628, 0.5931, 0.3041



0.0532, 0.4928, 0.2488

Previews

White Background



This preview shows how the Yxy color 21.5458, 0.2469, 0.3853 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 21.5458, 0.2469, 0.3853 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 21.5458, 0.2469, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 21.5458, 0.2469, 0.3853.



This preview shows how white text looks on a background with the Yxy color 21.5458, 0.2469, 0.3853.

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

21.5458, 0.2469, 0.3853

Protanopia

21.2694, 0.3405, 0.3617

Deuteranopia

21.2587, 0.3350, 0.3291



Tritanopia

21.4034, 0.2307, 0.3051

Trichromacy



Original Color

21.5458, 0.2469, 0.3853

Protanomaly

20.4317, 0.2934, 0.3716

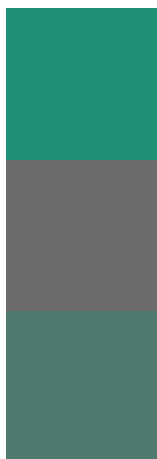
Deuteranomaly

20.3798, 0.2898, 0.3487

Tritanomaly

21.4493, 0.2363, 0.3329

Monochromacy



Original Color

21.5458, 0.2469, 0.3853

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.2429, 0.2752, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5458, 0.2469, 0.3853 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(31, 144, 118)` looks like.

```
.text, #text, p{  
  color:rgb(31, 144, 118)  
}
```

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(31, 144, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 144, 118) }
```

Border

The CSS property to change the border of an element to Yxy 21.5458, 0.2469, 0.3853 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(31, 144, 118) }
```

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

```
.border{ border-color:rgb(31, 144, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 144, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 144, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 144, 118);  
box-shadow:4px 4px 4px 4px rgb(31, 144,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5458, 0.2469, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 144, 118) }
```

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

```
.background{ background-color: rgb(31, 144,  
118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor