

Converting Colors

$Y_{xy}(21.9349, 0.2467, 0.3875)$

Have a look what the booklet for
Yxy(21.9349, 0.2467, 0.3875)
contains.

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Color

$\text{Yxy}(21.8200, 0.2468, 0.3873)$

Conversions

Conversions Part 1

Format	Color
Hex	1D9176
RGB	29, 145, 118
RGB Percent	11%, 57%, 46%
CMY	0.8857, 0.4314, 0.5373
CMYK	0.80, 0.00, 0.19, 0.43
HSL	166°, 67%, 34%
HSV	166°, 80%, 57%
XYZ	13.9044, 21.8200, 20.6144
YIQ	107.2380, -60.4690, -32.9890

Conversions

Conversions Part 2

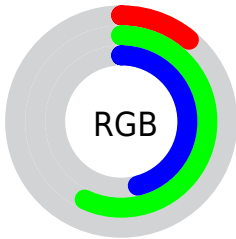
Format	Color
R_{YB}	29, 95, 145
Decimal	1937782
CIE _{Lab}	53.84, -37.56, 5.56
CIE _{LCh}	54, 37.969, 171.573
Yxy	21.8200, 0.2468, 0.3873
Android (android.graphics.Color)	4280127862 (0xFF1D9176)
YUV	107.2380, 5.3057, -68.6147
Hunter-Lab	46.7119, -28.6129, 6.5331

Details

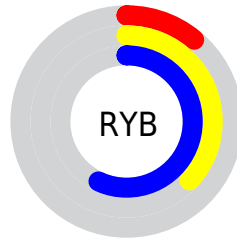
The Yxy color **21.8200, 0.2468, 0.3873** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.1923, 0.5239, 0.2935**, and the grayscale version is **14.7816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6437, 0.2619, 0.3744**, and **8.2709, 0.2459, 0.4051** is the 20% darker color. If you saturate the color by 10%, you get **21.5772, 0.2455, 0.3957**, and if you desaturate by 10%, it is **22.1670, 0.2499, 0.3789**.

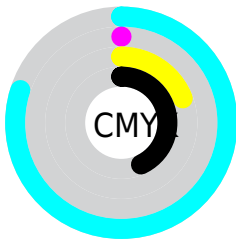
Distribution



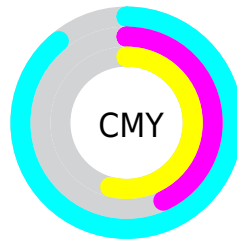
- Red (11%)
- Green (57%)
- Blue (46%)



- Red (11%)
- Yellow (37%)
- Blue (57%)



- Cyan (80%)
- Magenta (0%)
- Yellow (19%)
- Black (43%)



- Cyan (89%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8200, 0.2468, 0.3873 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 21.8200, 0.2468, 0.3873 by changing the saturation by 10% instead.


 21.8200, 0.2468,
0.3873


 21.8200, 0.2468,
0.3873


261.6048, 0.2841,
0.3537


 13.7247, 0.2357,
0.3977


 46.4483, 0.2616,
0.3738


 7.9294, 0.2202,
0.4124


 63.7501, 0.2667,
0.3691


 4.0498, 0.1972,
0.4351

 84.8895, 0.2710,
0.3653

 1.7015, 0.1516,
0.4787

 110.2510, 0.2745,
0.3622

 0.4246, 0.0000,
0.8528

 140.2188, 0.2774,
0.3595

 0.0000, 0.0000,
0.0000

 175.1775, 0.2800,

0.3573

215.5114, 0.2822,
0.3554

■ 21.8200, 0.2468,
0.3873

■ 21.8200, 0.2468,
0.3873

■ 21.5772, 0.2455,
0.3957

■ 22.1670, 0.2499,
0.3789

■ 21.4035, 0.2456,
0.4041

■ 22.6279, 0.2549,
0.3706

■ 21.4018, 0.2456,
0.4042

■ 23.2143, 0.2616,
0.3626

■ 23.9355, 0.2698,
0.3549

■ 24.7999, 0.2793,
0.3476

■ 25.8154, 0.2898,
0.3408

■ 26.9891, 0.3011,
0.3346

■ 28.3277, 0.3128,
0.3289

■ 29.8377, 0.3248,
0.3238

Harmonies

Analogous

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



21.8200, 0.3076, 0.4422



21.8200, 0.2468, 0.3873



21.8200, 0.2064, 0.3158

Triad

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



21.8200, 0.2468, 0.3873



21.8200, 0.2450, 0.2250



21.8200, 0.4487, 0.3764

Complementary

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



21.8200, 0.2468, 0.3873



7.1923, 0.5239, 0.2935

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.



21.8200, 0.4307, 0.3249



21.8200, 0.2468, 0.3873



21.8200, 0.3058, 0.2425

Square

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



21.8200, 0.2468, 0.3873



21.8200, 0.2063, 0.2295



21.8200, 0.3758, 0.2778



21.8200, 0.4257, 0.4239

Rectangle

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



21.8200, 0.2468, 0.3873



21.8200, 0.1944, 0.2754



21.8200, 0.3758, 0.2778



21.8200, 0.4474, 0.3592

Sweetspot

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



21.8208, 0.2468, 0.3873



45.3628, 0.2849, 0.3439



21.1851, 0.3171, 0.5604



9.9648, 0.2816, 0.3461



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.



21.8208, 0.2468, 0.3873



38.4049, 0.2458, 0.4025



14.3654, 0.2120, 0.2614



6.0951, 0.3019, 0.3342



18.3621, 0.2455, 0.4037



0.1789, 0.2346, 0.3644

Inverse Universe

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



7.1923, 0.5239, 0.2935



11.1727, 0.5868, 0.3040



9.3446, 0.5380, 0.3719



5.4434, 0.3247, 0.3239



5.2650, 0.5922, 0.3036



0.0533, 0.4914, 0.2481

Previews

White Background



This preview shows how the Yxy color 21.8200, 0.2468, 0.3873 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 21.8200, 0.2468, 0.3873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

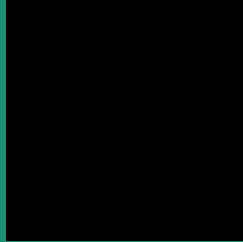
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8200, 0.2468, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 21.8200, 0.2468, 0.3873.



This preview shows how white text looks on a background with the Yxy color 21.8200, 0.2468, 0.3873.

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

21.8200, 0.2468, 0.3873

Protanopia

21.3512, 0.3417, 0.3615

Deuteranopia

21.5961, 0.3360, 0.3308



Tritanopia

21.7013, 0.2301, 0.3052

Trichromacy



Original Color

21.8200, 0.2468, 0.3873



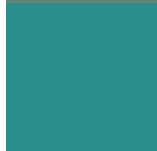
Protanomaly

20.7068, 0.2935, 0.3734



Deuteranomaly

20.6497, 0.2898, 0.3506



Tritanomaly

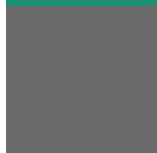
21.7317, 0.2353, 0.3329

Monochromacy



Original Color

21.8200, 0.2468, 0.3873



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

16.4847, 0.2754, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8200, 0.2468, 0.3873 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(29, 145, 118)` looks like.

```
.text, #text, p{  
    color:rgb(29, 145, 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(29, 145, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 145, 118) }
```

Border

The CSS property to change the border of an element to Yxy 21.8200, 0.2468, 0.3873 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(29, 145, 118) }
```

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

```
.border{ border-color:rgb(29, 145, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 145, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 145, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 145, 118);  
box-shadow:4px 4px 4px 4px rgb(29, 145,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8200, 0.2468, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 145, 118) }
```

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

```
.background{ background-color: rgb(29, 145,  
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](#).

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