

Converting Colors

$Yxy(21.0614, 0.2374, 0.3646)$

Have a look what the booklet for
Yxy(21.0614, 0.2374, 0.3646)
contains.

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Color

Yxy(20.9810, 0.2371, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	128E7E
RGB	18, 142, 126
RGB Percent	7%, 56%, 49%
CMY	0.9291, 0.4431, 0.5059
CMYK	0.87, 0.00, 0.11, 0.44
HSL	172°, 77%, 31%
HSV	172°, 87%, 56%
XYZ	13.6890, 20.9810, 23.0652
YIQ	103.1000, -68.7680, -31.2640

Conversions

Conversions Part 2

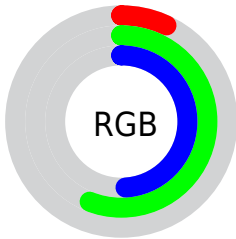
Format	Color
RYB	18, 84, 142
Decimal	1216126
CIELab	52.93, -35.02, -0.38
CIELCh	53, 35.020, 180.624
Yxy	20.9810, 0.2371, 0.3634
Android (android.graphics.Color)	4279406206 (0xFF128E7E)
YUV	103.1000, 11.2897, -74.6327
Hunter-Lab	45.8050, -26.8133, 2.2079

Details

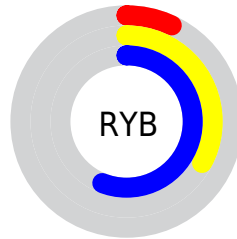
The Yxy color **20.9810, 0.2371, 0.3634** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3019, 0.5806, 0.3137**, and the grayscale version is **13.5809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9082, 0.2534, 0.3547**, and **8.0180, 0.2374, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **20.8306, 0.2361, 0.3678**, and if you desaturate by 10%, it is **21.2118, 0.2397, 0.3590**.

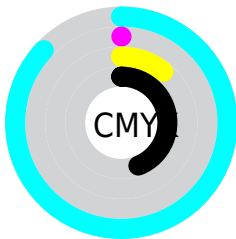
Distribution



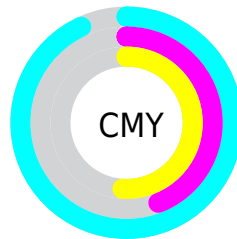
- Red (7%)
- Green (56%)
- Blue (49%)



- Red (7%)
- Yellow (33%)
- Blue (56%)



- Cyan (87%)
- Magenta (0%)
- Yellow (11%)
- Black (44%)





- Cyan (93%)
- Magenta (44%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9810, 0.2371, 0.3634 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 20.9810, 0.2371, 0.3634 by changing the saturation by 10% instead.


 20.9810, 0.2371,
0.3634


 20.9810, 0.2371,
0.3634


257.1775, 0.2795,
0.3442


 13.1101, 0.2247,
0.3690


 45.0559, 0.2538,
0.3559


 7.5044, 0.2076,
0.3767


 62.0287, 0.2596,
0.3532


 3.7795, 0.1826,
0.3878

 82.8043, 0.2644,
0.3510


 1.5510, 0.1336,
0.4098

 107.7670, 0.2684,
0.3492

 0.3242, 0.0000,
0.4606

 137.3013, 0.2718,
0.3477

 0.0000, 0.0000,
0.0000

 171.7916, 0.2747,

0.3463

211.6222, 0.2773,
0.3452

■ 20.9810, 0.2371,
0.3634

■ 20.9810, 0.2371,
0.3634

■ 20.8306, 0.2361,
0.3678

■ 21.2118, 0.2397,
0.3590

■ 20.7929, 0.2358,
0.3690

■ 21.5409, 0.2441,
0.3546

■ 21.9803, 0.2503,
0.3503

■ 22.5397, 0.2583,
0.3460

■ 23.2278, 0.2677,
0.3420

■ 24.0523, 0.2786,
0.3381

■ 25.0205, 0.2904,
0.3345

■ 26.1389, 0.3031,
0.3312

■ 27.4140, 0.3164,
0.3282

Harmonies

Analogous

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



20.9810, 0.2899, 0.4223



20.9810, 0.2371, 0.3634



20.9810, 0.2061, 0.2989

Triad

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



20.9810, 0.2371, 0.3634



20.9810, 0.2647, 0.2338



20.9810, 0.4374, 0.3888

Complementary

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



20.9810, 0.2371, 0.3634



6.3019, 0.5806, 0.3137

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.



20.9810, 0.4322, 0.3403



20.9810, 0.2371, 0.3634



20.9810, 0.3262, 0.2560

Square

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



20.9810, 0.2371, 0.3634



20.9810, 0.2210, 0.2316



20.9810, 0.3898, 0.2936



20.9810, 0.4066, 0.4294

Rectangle

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



20.9810, 0.2371, 0.3634



20.9810, 0.1998, 0.2654



20.9810, 0.3898, 0.2936



20.9810, 0.4401, 0.3729

Sweetspot

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



20.9818, 0.2371, 0.3634



42.5296, 0.2794, 0.3379



19.7405, 0.3074, 0.5800



9.3944, 0.2760, 0.3390



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.



20.9818, 0.2371, 0.3634



36.6492, 0.2361, 0.3699



10.5510, 0.1991, 0.2242



6.1045, 0.3007, 0.3318



18.6706, 0.2358, 0.3688



0.1807, 0.2298, 0.3474

Inverse Universe

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



6.3019, 0.5806, 0.3137



10.2058, 0.6235, 0.3208



9.4071, 0.5406, 0.3890



5.4347, 0.3262, 0.3262



5.2053, 0.6191, 0.3184



0.0515, 0.5448, 0.2775

Previews

White Background



This preview shows how the Yxy color 20.9810, 0.2371, 0.3634 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 20.9810, 0.2371, 0.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

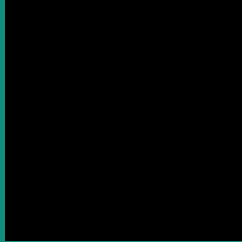
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9810, 0.2371, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 20.9810, 0.2371, 0.3634.

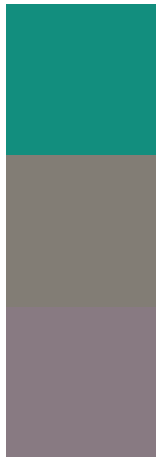


This preview shows how white text looks on a background with the Yxy color 20.9810, 0.2371, 0.3634.

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

20.9810, 0.2371, 0.3634

Protanopia

20.6974, 0.3279, 0.3436

Deuteranopia

20.7650, 0.3207, 0.3150



Tritanopia

21.1184, 0.2268, 0.3068

Trichromacy



Original Color

20.9810, 0.2371, 0.3634

Protanomaly

19.7125, 0.2786, 0.3514

Deuteranomaly

19.6126, 0.2738, 0.3289

Tritanomaly

20.9863, 0.2301, 0.3267

Monochromacy



Original Color

20.9810, 0.2371, 0.3634

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.2480, 0.2674, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9810, 0.2371, 0.3634 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(18, 142, 126)` looks like.

```
.text, #text, p{  
    color:rgb(18, 142, 126)  
}
```

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(18, 142, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 142, 126) }
```

Border

The CSS property to change the border of an element to Yxy 20.9810, 0.2371, 0.3634 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(18, 142, 126) }
```

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

```
.border{ border-color:rgb(18, 142, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 142, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 142, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 142, 126);  
box-shadow:4px 4px 4px 4px rgb(18, 142,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9810, 0.2371, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 142, 126) }
```

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

```
.background{ background-color: rgb(18, 142,  
126) }
```

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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