

Converting Colors

$Yxy(21.0048, 0.2248, 0.3245)$

Have a look what the booklet for
Yxy(21.0048, 0.2248, 0.3245)
contains.

Yxy(21.1041, 0.2249, 0.3246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(21.1041, 0.2249, 0.3246)$

Conversions

Conversions Part 1

Format	Color
Hex	0B8D8F
RGB	11, 141, 143
RGB Percent	4%, 55%, 56%
CMY	0.9563, 0.4471, 0.4392
CMYK	0.92, 0.01, 0.00, 0.44
HSL	181°, 86%, 30%
HSV	181°, 92%, 56%
XYZ	14.6220, 21.1041, 29.2896
YIQ	102.3580, -78.1220, -26.9380

Conversions

Conversions Part 2

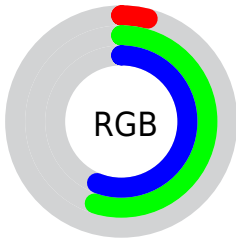
Format	Color
RYB	11, 76, 143
Decimal	757135
CIELab	53.06, -29.77, -10.03
CIElCh	53, 31.418, 198.620
Yxy	21.1041, 0.2249, 0.3246
Android (android.graphics.Color)	4278947215 (0xFF0B8D8F)
YUV	102.3580, 20.0365, -80.1210
Hunter-Lab	45.9392, -23.5787, -5.6442

Details

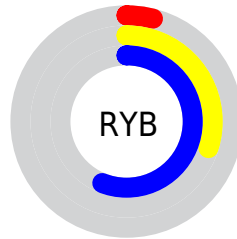
The Yxy color **21.1041, 0.2249, 0.3246** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.1557, 0.6204, 0.3311**, and the grayscale version is **13.3589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2351, 0.2436, 0.3259**, and **8.1026, 0.2221, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **20.9829, 0.2234, 0.3242**, and if you desaturate by 10%, it is **21.3092, 0.2277, 0.3251**.

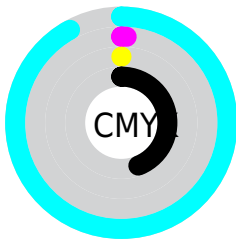
Distribution



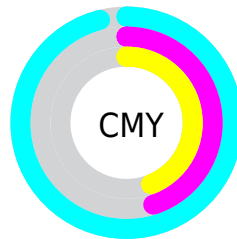
- Red (4%)
- Green (55%)
- Blue (56%)



- Red (4%)
- Yellow (30%)
- Blue (56%)



- Cyan (92%)
- Magenta (1%)
- Yellow (0%)
- Black (44%)





- Cyan (96%)
- Magenta (45%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1041, 0.2249, 0.3246 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 21.1041, 0.2249, 0.3246 by changing the saturation by 10% instead.

 21.1041, 0.2249,
0.3246


 21.1041, 0.2249,
0.3246


 257.8312, 0.2732,
0.3284


 13.2001, 0.2113,
0.3228

 45.2607, 0.2436,
0.3265


 7.5665, 0.1928,
0.3198


 62.2821, 0.2503,
0.3271


 3.8188, 0.1666,
0.3143

 83.1115, 0.2558,
0.3275

 1.5727, 0.1250,
0.3036

 108.1332, 0.2604,
0.3278

 0.3391, 0.0000,
0.2399

 137.7316, 0.2643,
0.3280

 0.0000, 0.0000,
0.0000

 172.2912, 0.2677,

0.3282

212.1962, 0.2707,
0.3283

■ 21.1041, 0.2249,
0.3246

■ 21.1041, 0.2249,
0.3246

■ 20.9829, 0.2234,
0.3242

■ 21.3092, 0.2277,
0.3251

■ 21.6070, 0.2322,
0.3256

■ 22.0108, 0.2386,
0.3261

■ 22.5311, 0.2467,
0.3266

■ 23.1772, 0.2566,
0.3271

■ 23.9573, 0.2680,
0.3276

■ 24.8792, 0.2808,
0.3280

■ 25.9498, 0.2947,
0.3285

■ 27.1758, 0.3094,
0.3289

Harmonies

Analogous

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



21.1041, 0.2622, 0.3828



21.1041, 0.2249, 0.3246



21.1041, 0.2104, 0.2749

Triad

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



21.1041, 0.2249, 0.3246



21.1041, 0.3018, 0.2526



21.1041, 0.4119, 0.4074

Complementary

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



21.1041, 0.2249, 0.3246



6.1557, 0.6204, 0.3311

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.



21.1041, 0.4270, 0.3669



21.1041, 0.2249, 0.3246



21.1041, 0.3603, 0.2821

Square

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



21.1041, 0.2249, 0.3246



21.1041, 0.2514, 0.2394



21.1041, 0.4079, 0.3224



21.1041, 0.3701, 0.4316

Rectangle

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



21.1041, 0.2249, 0.3246



21.1041, 0.2139, 0.2532



21.1041, 0.4079, 0.3224



21.1041, 0.4204, 0.3950

Sweetspot

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



21.1049, 0.2249, 0.3246



43.4704, 0.2725, 0.3277



19.7419, 0.3004, 0.5916



9.8284, 0.2676, 0.3276



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.



21.1049, 0.2249, 0.3246



37.5523, 0.2234, 0.3241



7.3729, 0.1841, 0.1750



6.1025, 0.2991, 0.3286



18.5554, 0.2234, 0.3243



0.1803, 0.2241, 0.3267

Inverse Universe

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



8.0054, 0.3242, 0.1596



13.8903, 0.3247, 0.1563



11.1819, 0.5209, 0.4146



5.5096, 0.3139, 0.3076



6.8595, 0.3246, 0.1562



0.0659, 0.3226, 0.1551

Previews

White Background



This preview shows how the Yxy color 21.1041, 0.2249, 0.3246 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 21.1041, 0.2249, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

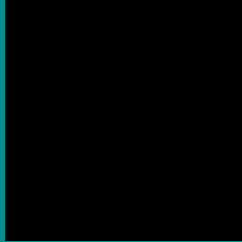
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1041, 0.2249, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 21.1041, 0.2249, 0.3246.



This preview shows how white text looks on a background with the Yxy color 21.1041, 0.2249, 0.3246.

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

21.1041, 0.2249, 0.3246

Protanopia

20.7963, 0.3051, 0.3146

Deuteranopia

20.8617, 0.2926, 0.2873



Tritanopia

21.1972, 0.2223, 0.3067

Trichromacy



Original Color

21.1041, 0.2249, 0.3246



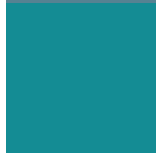
Protanomaly

19.9236, 0.2591, 0.3169



Deuteranomaly

20.0190, 0.2531, 0.2979



Tritanomaly

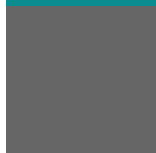
21.0430, 0.2229, 0.3125

Monochromacy



Original Color

21.1041, 0.2249, 0.3246



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.0403, 0.2586, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1041, 0.2249, 0.3246 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(11, 141, 143)` looks like.

```
.text, #text, p{  
    color:rgb(11, 141, 143)  
}
```

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(11, 141, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 141, 143) }
```

Border

The CSS property to change the border of an element to Yxy 21.1041, 0.2249, 0.3246 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(11, 141, 143) }
```

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

```
.border{ border-color:rgb(11, 141, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 141, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 141, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 141, 143);  
box-shadow:4px 4px 4px 4px rgb(11, 141,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1041, 0.2249, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 141, 143) }
```

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

```
.background{ background-color: rgb(11, 141,  
143) }
```

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