

Converting Colors

$Yxy(20.6702, 0.2043, 0.3378)$

Have a look what the booklet for
Yxy(20.6702, 0.2043, 0.3378)
contains.

Yxy(21.8400, 0.2270, 0.3370)	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

Yxy(21.8400, 0.2270, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	00908C
RGB	0, 144, 140
RGB Percent	0%, 56%, 55%
CMY	0.9984, 0.4353, 0.4509
CMYK	1.00, 0.00, 0.03, 0.44
HSL	178°, 99%, 28%
HSV	178°, 100%, 56%
XYZ	14.7112, 21.8400, 28.2559
YIQ	100.4880, -84.5400, -31.7720

Conversions

Conversions Part 2

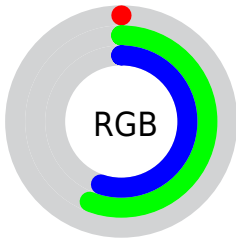
Format	Color
RYB	0, 73, 144
Decimal	37004
CIELab	53.86, -32.65, -7.13
CIELCh	54, 33.420, 192.313
Yxy	21.8400, 0.2270, 0.3370
Android (android.graphics.Color)	4278227084 (0xFF00908C)
YUV	100.4880, 19.4794, -88.1280
Hunter-Lab	46.7333, -25.5931, -3.1347

Details

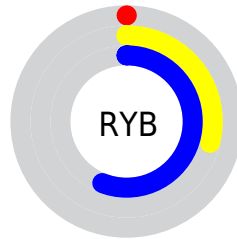
The Yxy color **21.8400, 0.2270, 0.3370** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.9471, 0.6355, 0.3278**, and the grayscale version is **12.8727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2647, 0.2452, 0.3362**, and **8.5669, 0.2272, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **21.8379, 0.2270, 0.3370**, and if you desaturate by 10%, it is **21.9499, 0.2286, 0.3361**.

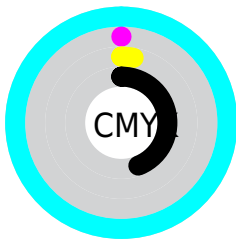
Distribution



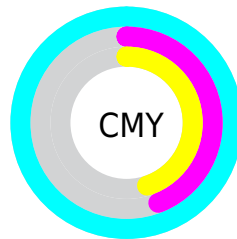
- Red (0%)
- Green (56%)
- Blue (55%)



- Red (0%)
- Yellow (29%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8400, 0.2270, 0.3370 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 21.8400, 0.2270, 0.3370 by changing the saturation by 10% instead.

 21.8400, 0.2270,
0.3370


 21.8400, 0.2270,
0.3370


261.7096, 0.2741,
0.3337


 13.7394, 0.2137,
0.3374


 46.4814, 0.2452,
0.3360


 7.9396, 0.1957,
0.3376


 63.7910, 0.2517,
0.3356


 4.0563, 0.1701,
0.3368

 84.9390, 0.2571,
0.3352

 1.7051, 0.1295,
0.3340

 110.3099, 0.2616,
0.3348

 0.4270, 0.0000,
0.3071

 140.2880, 0.2655,
0.3345

 0.0000, 0.0000,
0.0000

 175.2577, 0.2688,

0.3342

215.6034, 0.2716,
0.3339

■ 21.8400, 0.2270,
0.3370

■ 21.8400, 0.2270,
0.3370

■ 21.8379, 0.2270,
0.3370

■ 21.9499, 0.2286,
0.3361

■ 22.1260, 0.2315,
0.3353

■ 22.4005, 0.2361,
0.3344

■ 22.7853, 0.2425,
0.3335

■ 23.2908, 0.2508,
0.3327

■ 23.9263, 0.2607,
0.3318

■ 24.7000, 0.2721,
0.3310

■ 25.6194, 0.2849,
0.3303

■ 26.6917, 0.2986,
0.3296

Harmonies

Analogous

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



21.8400, 0.2702, 0.3975



21.8400, 0.2270, 0.3370



21.8400, 0.2068, 0.2813

Triad

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



21.8400, 0.2270, 0.3370



21.8400, 0.2888, 0.2447



21.8400, 0.4228, 0.4027

Complementary

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



21.8400, 0.2270, 0.3370



5.9471, 0.6355, 0.3278

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.



21.8400, 0.4317, 0.3584



21.8400, 0.2270, 0.3370



21.8400, 0.3498, 0.2723

Square

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



21.8400, 0.2270, 0.3370



21.8400, 0.2396, 0.2350



21.8400, 0.4044, 0.3124



21.8400, 0.3836, 0.4336

Rectangle

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



21.8400, 0.2270, 0.3370



21.8400, 0.2071, 0.2554



21.8400, 0.4044, 0.3124



21.8400, 0.4296, 0.3887

Sweetspot

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



21.8408, 0.2270, 0.3370



43.4370, 0.2711, 0.3311



19.9787, 0.3010, 0.5989



9.8380, 0.2666, 0.3314



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.



21.8408, 0.2270, 0.3370



38.5169, 0.2270, 0.3372



7.3218, 0.1814, 0.1727



6.1138, 0.2994, 0.3296



19.0195, 0.2269, 0.3370



0.1824, 0.2257, 0.3325

Inverse Universe

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



5.9471, 0.6355, 0.3278



10.4692, 0.6372, 0.3284



9.9932, 0.5467, 0.4037



5.4264, 0.3277, 0.3284



5.1716, 0.6358, 0.3276



0.0498, 0.6160, 0.3167

Previews

White Background



This preview shows how the Yxy color 21.8400, 0.2270, 0.3370 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 21.8400, 0.2270, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

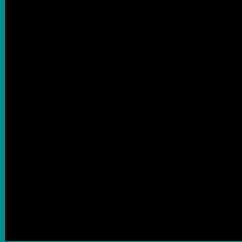
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8400, 0.2270, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 21.8400, 0.2270, 0.3370.



This preview shows how white text looks on a background with the Yxy color 21.8400, 0.2270, 0.3370.

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

21.8400, 0.2270, 0.3370

Protanopia

21.5363, 0.3130, 0.3237

Deuteranopia

21.6674, 0.3015, 0.2964



Tritanopia

21.9219, 0.2235, 0.3070

Trichromacy



Original Color

21.8400, 0.2270, 0.3370

Protanomaly

20.3353, 0.2613, 0.3269

Deuteranomaly

20.4170, 0.2553, 0.3075

Tritanomaly

21.9215, 0.2244, 0.3187

Monochromacy



Original Color

21.8400, 0.2270, 0.3370

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

15.0504, 0.2563, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8400, 0.2270, 0.3370 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(0, 144, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 140)  
}
```

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(0, 144, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 140) }
```

Border

The CSS property to change the border of an element to Yxy 21.8400, 0.2270, 0.3370 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(0, 144, 140) }
```

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

```
.border{ border-color:rgb(0, 144, 140) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8400, 0.2270, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 140) }
```

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

```
.background{ background-color: rgb(0, 144,  
140) }
```

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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