

Converting Colors

$Yxy(22.3894, 0.2323, 0.3344)$

Have a look what the booklet for
Yxy(22.3894, 0.2323, 0.3344)
contains.

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Color

$\text{Yxy}(22.5271, 0.2324, 0.3348)$

Conversions

Conversions Part 1

Format	Color
Hex	21918E
RGB	33, 145, 142
RGB Percent	13%, 57%, 56%
CMY	0.8704, 0.4314, 0.4431
CMYK	0.77, 0.00, 0.02, 0.43
HSL	178°, 63%, 35%
HSV	178°, 77%, 57%
XYZ	15.6371, 22.5271, 29.1211
YIQ	111.1700, -65.7890, -24.6770

Conversions

Conversions Part 2

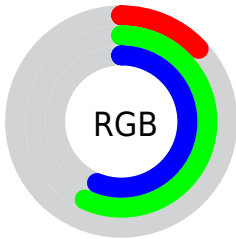
Format	Color
R_{YB}	33, 90, 145
Decimal	2199950
CIE _{Lab}	54.58, -30.26, -7.17
CIE _{LCh}	55, 31.095, 193.323
Yxy	22.5271, 0.2324, 0.3348
Android (android.graphics.Color)	4280390030 (0xFF21918E)
YUV	111.1700, 15.1992, -68.5551
Hunter-Lab	47.4627, -24.2511, -3.1538

Details

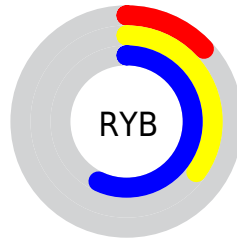
The Yxy color **22.5271, 0.2324, 0.3348** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.2380, 0.5652, 0.3262**, and the grayscale version is **15.9227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4850, 0.2493, 0.3331**, and **8.7781, 0.2263, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **22.3261, 0.2291, 0.3356**, and if you desaturate by 10%, it is **22.8329, 0.2375, 0.3340**.

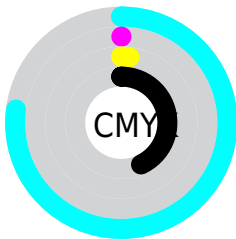
Distribution



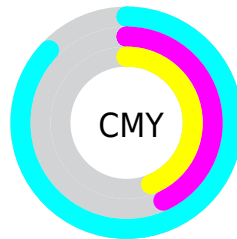
- Red (13%)
- Green (57%)
- Blue (56%)



- Red (13%)
- Yellow (35%)
- Blue (57%)



- Cyan (77%)
- Magenta (0%)
- Yellow (2%)
- Black (43%)





- Cyan (87%)
- Magenta (43%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5271, 0.2324, 0.3348 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 22.5271, 0.2324, 0.3348 by changing the saturation by 10% instead.


 22.5271, 0.2324,
0.3348


 22.5271, 0.2324,
0.3348


 265.2867, 0.2764,
0.3326


 14.2447, 0.2200,
0.3350


 47.6156, 0.2494,
0.3342


 8.2911, 0.2033,
0.3348


 65.1906, 0.2555,
0.3339

 4.2818, 0.1794,
0.3337

 86.6319, 0.2605,
0.3337

 1.8324, 0.1433,
0.3300

 112.3238, 0.2647,
0.3334

 0.5072, 0.0000,
0.3245

 142.6509, 0.2683,
0.3332

 0.0000, 0.0000,
0.0000

 177.9975, 0.2714,

0.3330

218.7479, 0.2741,
0.3328

■ 22.5271, 0.2324,
0.3348

■ 22.5271, 0.2324,
0.3348

■ 22.3261, 0.2291,
0.3356

■ 22.8329, 0.2375,
0.3340

■ 22.2067, 0.2273,
0.3365

■ 23.2529, 0.2444,
0.3331

■ 22.1773, 0.2269,
0.3367

■ 23.7980, 0.2530,
0.3323

■ 24.4774, 0.2634,
0.3315

■ 25.2992, 0.2752,
0.3308

■ 26.2710, 0.2882,
0.3301

■ 27.3999, 0.3022,
0.3294

■ 28.6925, 0.3169,
0.3288

■ 30.1549, 0.3320,
0.3283

Harmonies

Analogous

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



22.5271, 0.2721, 0.3900



22.5271, 0.2324, 0.3348



22.5271, 0.2141, 0.2840

Triad

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



22.5271, 0.2324, 0.3348



22.5271, 0.2926, 0.2512



22.5271, 0.4137, 0.3991

Complementary

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



22.5271, 0.2324, 0.3348



7.2380, 0.5652, 0.3262

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.



22.5271, 0.4226, 0.3585



22.5271, 0.2324, 0.3348



22.5271, 0.3490, 0.2775

Square

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



22.5271, 0.2324, 0.3348



22.5271, 0.2463, 0.2416



22.5271, 0.3984, 0.3154



22.5271, 0.3771, 0.4261

Rectangle

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



22.5271, 0.2324, 0.3348



22.5271, 0.2148, 0.2602



22.5271, 0.3984, 0.3154



22.5271, 0.4202, 0.3864

Sweetspot

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



22.5279, 0.2324, 0.3348



45.9244, 0.2799, 0.3305



20.7497, 0.3034, 0.5644



10.0961, 0.2758, 0.3307



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.



22.5279, 0.2324, 0.3348



39.8152, 0.2277, 0.3363



10.1548, 0.2006, 0.2114



6.1139, 0.2994, 0.3296



19.0235, 0.2269, 0.3367



0.1824, 0.2257, 0.3324

Inverse Universe

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



7.2380, 0.5652, 0.3262



11.1170, 0.6247, 0.3281



12.6733, 0.4913, 0.4090



5.4263, 0.3277, 0.3285



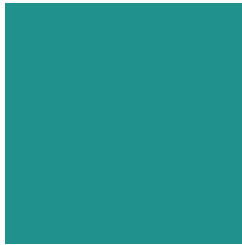
5.1712, 0.6360, 0.3277



0.0498, 0.6168, 0.3172

Previews

White Background



This preview shows how the Yxy color 22.5271, 0.2324, 0.3348 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 22.5271, 0.2324, 0.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

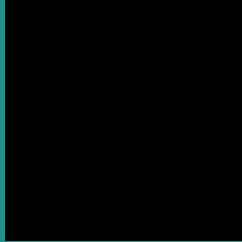
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5271, 0.2324, 0.3348

Background



This preview shows how black text looks on a background with the Yxy color 22.5271, 0.2324, 0.3348.

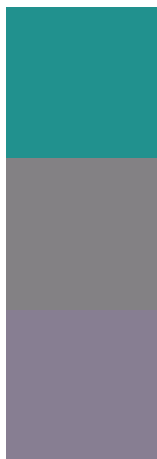


This preview shows how white text looks on a background with the Yxy color 22.5271, 0.2324, 0.3348.

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

22.5271, 0.2324, 0.3348

Protanopia

22.1918, 0.3118, 0.3237

Deuteranopia

22.1479, 0.3016, 0.2951



Tritanopia

22.5251, 0.2270, 0.3055

Trichromacy



Original Color

22.5271, 0.2324, 0.3348



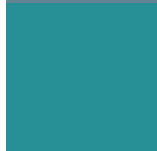
Protanomaly

21.5384, 0.2706, 0.3270



Deuteranomaly

21.4161, 0.2652, 0.3064



Tritanomaly

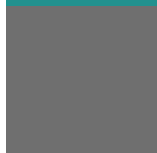
22.5799, 0.2290, 0.3169

Monochromacy



Original Color

22.5271, 0.2324, 0.3348



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

17.4101, 0.2693, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5271, 0.2324, 0.3348 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(33, 145, 142)` looks like.

```
.text, #text, p{  
  color:rgb(33, 145, 142)  
}
```

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(33, 145, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 145, 142) }
```

Border

The CSS property to change the border of an element to Yxy 22.5271, 0.2324, 0.3348 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(33, 145, 142) }
```

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

```
.border{ border-color:rgb(33, 145, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 145, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 145, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 145, 142);  
box-shadow:4px 4px 4px 4px rgb(33, 145,  
142) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.5271, 0.2324, 0.3348$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 145, 142) }
```

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

```
.background{ background-color: rgb(33, 145,  
142) }
```

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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