

Converting Colors

$Yxy(20.9852, 0.2289, 0.3246)$

Have a look what the booklet for
Yxy(20.9852, 0.2289, 0.3246)
contains.

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Color

Yxy(20.9852, 0.2289, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	1E8C8E
RGB	30, 140, 142
RGB Percent	12%, 55%, 56%
CMY	0.8820, 0.4510, 0.4431
CMYK	0.79, 0.01, 0.00, 0.44
HSL	181°, 65%, 34%
HSV	181°, 79%, 56%
XYZ	14.7983, 20.9852, 28.8660
YIQ	107.3380, -66.2020, -22.6980

Conversions

Conversions Part 2

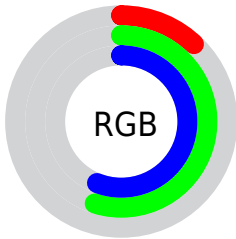
Format	Color
R_{YB}	30, 85, 142
Decimal	2002062
CIE _{Lab}	52.93, -28.14, -9.63
CIE _{LCh}	53, 29.744, 198.892
Yxy	20.9852, 0.2289, 0.3246
Android (android.graphics.Color)	4280192142 (0xFF1E8C8E)
YUV	107.3380, 17.0884, -67.8254
Hunter-Lab	45.8096, -22.5045, -5.2936




Details

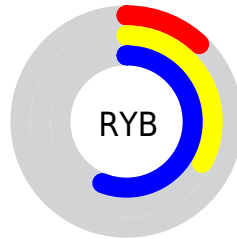
The Yxy color **20.9852, 0.2289, 0.3246** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.8843, 0.5746, 0.3321**, and the grayscale version is **14.7741, 0.3127, 0.3290**.




A 20% lighter version of the original color is **45.0559, 0.2465, 0.3259**, and **7.9175, 0.2221, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **20.7432, 0.2255, 0.3240**, and if you desaturate by 10%, it is **21.3253, 0.2341, 0.3252**.

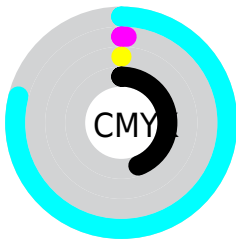
Distribution







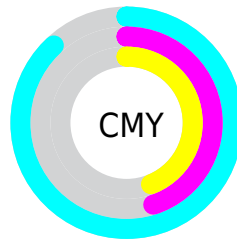
-  Red (12%)
-  Green (55%)
-  Blue (56%)






-  Red (12%)
-  Yellow (33%)
-  Blue (56%)



-  Cyan (79%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (44%)




-  Cyan (88%)
-  Magenta (45%)
-  Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9852, 0.2289, 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 20.9852, 0.2289, 0.3246 by changing the saturation by 10% instead.


 20.9852, 0.2289,
0.3246


 20.9852, 0.2289,
0.3246


 257.1998, 0.2752,
0.3283


 13.1132, 0.2158,
0.3229


 45.0629, 0.2468,
0.3264

 7.5065, 0.1980,
0.3201


 62.0374, 0.2532,
0.3270


 3.7809, 0.1726,
0.3149

 82.8148, 0.2585,
0.3274

 1.5517, 0.1323,
0.3046

 107.7795, 0.2629,
0.3277

 0.3247, 0.0000,
0.2400

 137.3160, 0.2667,
0.3279

 0.0000, 0.0000,
0.0000

 171.8086, 0.2699,

0.3281

211.6418, 0.2727,
0.3282

■ 20.9852, 0.2289,
0.3246

■ 20.9852, 0.2289,
0.3246

■ 20.7432, 0.2255,
0.3240

■ 21.3253, 0.2341,
0.3252

■ 20.5705, 0.2234,
0.3235

■ 21.7726, 0.2410,
0.3258

■ 20.5509, 0.2232,
0.3234

■ 22.3378, 0.2498,
0.3264

■ 23.0297, 0.2603,
0.3270

■ 23.8562, 0.2722,
0.3275

■ 24.8245, 0.2854,
0.3281

■ 25.9415, 0.2996,
0.3286

■ 27.2134, 0.3145,
0.3291

■ 28.6463, 0.3299,
0.3295

Harmonies

Analogous

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



20.9852, 0.2644, 0.3794



20.9852, 0.2289, 0.3246



20.9852, 0.2151, 0.2775

Triad

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



20.9852, 0.2289, 0.3246



20.9852, 0.3030, 0.2563



20.9852, 0.4068, 0.4042

Complementary

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



20.9852, 0.2289, 0.3246



6.8843, 0.5746, 0.3321

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.



20.9852, 0.4211, 0.3660



20.9852, 0.2289, 0.3246



20.9852, 0.3584, 0.2847

Square

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



20.9852, 0.2289, 0.3246



20.9852, 0.2547, 0.2436



20.9852, 0.4033, 0.3234



20.9852, 0.3672, 0.4264

Rectangle

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



20.9852, 0.2289, 0.3246



20.9852, 0.2186, 0.2568



20.9852, 0.4033, 0.3234



20.9852, 0.4149, 0.3926

Sweetspot

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



20.9860, 0.2289, 0.3246



42.7666, 0.2777, 0.3278



19.7307, 0.3007, 0.5666



9.4363, 0.2737, 0.3276



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.



20.9860, 0.2289, 0.3246



36.3322, 0.2239, 0.3236



8.5995, 0.1956, 0.1954



6.0999, 0.2991, 0.3286



18.4514, 0.2232, 0.3234



0.1798, 0.2240, 0.3263

Inverse Universe

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



8.5779, 0.3237, 0.1697



13.6544, 0.3251, 0.1582



12.8111, 0.4860, 0.4185



5.5094, 0.3140, 0.3077



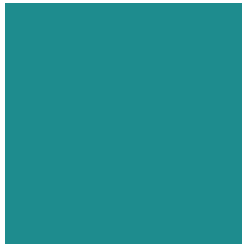
6.8490, 0.3253, 0.1566



0.0658, 0.3229, 0.1553

Previews

White Background



This preview shows how the Yxy color 20.9852, 0.2289, 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 20.9852, 0.2289, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

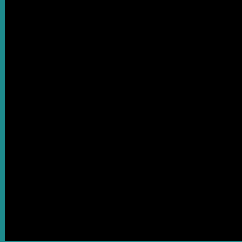
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9852, 0.2289, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 20.9852, 0.2289, 0.3246.

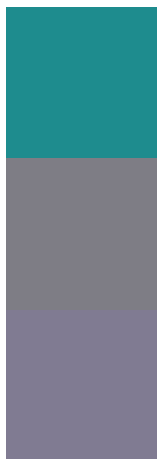


This preview shows how white text looks on a background with the Yxy color 20.9852, 0.2289, 0.3246.

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

20.9852, 0.2289, 0.3246

Protanopia

20.7963, 0.3051, 0.3146

Deuteranopia

20.8304, 0.2937, 0.2889



Tritanopia

21.0606, 0.2257, 0.3067

Trichromacy



Original Color

20.9852, 0.2289, 0.3246

Protanomaly

19.9670, 0.2658, 0.3171

Deuteranomaly

20.0202, 0.2588, 0.2982

Tritanomaly

20.9119, 0.2265, 0.3125

Monochromacy



Original Color

20.9852, 0.2289, 0.3246

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.2120, 0.2662, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9852, 0.2289, 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(30, 140, 142)` looks like.

```
.text, #text, p{  
    color:rgb(30, 140, 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(30, 140, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 140, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.9852, 0.2289, 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(30, 140, 142) }
```

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

```
.border{ border-color:rgb(30, 140, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 140, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 140, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 140, 142);  
box-shadow:4px 4px 4px 4px rgb(30, 140,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9852, 0.2289, 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(30, 140, 142) }
```

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

```
.background{ background-color: rgb(30, 140,  
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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