

Converting Colors

$Y_{xy}(19.7983, 0.2322, 0.3064)$

Have a look what the booklet for
Yxy(19.7983, 0.2322, 0.3064)
contains.

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Color

Yxy(19.7983, 0.2322, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	338691
RGB	51, 134, 145
RGB Percent	20%, 53%, 57%
CMY	0.7996, 0.4745, 0.4314
CMYK	0.65, 0.08, 0.00, 0.43
HSL	187°, 48%, 38%
HSV	187°, 65%, 57%
XYZ	15.0038, 19.7983, 29.8138
YIQ	110.4370, -52.9990, -14.1750

Conversions

Conversions Part 2

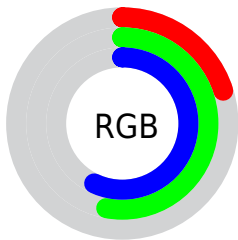
Format	Color
RYB	51, 95, 145
Decimal	3376785
CIELab	51.61, -21.19, -13.31
CIELCh	52, 25.022, 212.124
Yxy	19.7983, 0.2322, 0.3064
Android (android.graphics.Color)	4281566865 (0xFF338691)
YUV	110.4370, 17.0396, -52.1262
Hunter-Lab	44.4953, -17.6766, -8.5802

Details

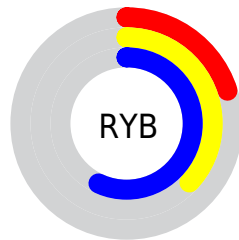
The Yxy color **19.7983, 0.2322, 0.3064** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7136, 0.5002, 0.3470**, and the grayscale version is **15.6938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9154, 0.2495, 0.3114**, and **7.1669, 0.2151, 0.2945** is the 20% darker color. If you saturate the color by 10%, you get **19.0131, 0.2251, 0.3024**, and if you desaturate by 10%, it is **20.7100, 0.2411, 0.3103**.

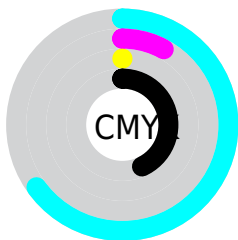
Distribution



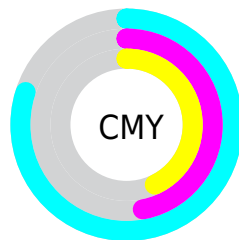
- Red (20%)
- Green (53%)
- Blue (57%)



- Red (20%)
- Yellow (37%)
- Blue (57%)



- Cyan (65%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)



- Cyan (80%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7983, 0.2322, 0.3064 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 19.7983, 0.2322, 0.3064 by changing the saturation by 10% instead.

19.7983, 0.2322,
0.3064

19.7983, 0.2322,
0.3064

250.8211, 0.2769,
0.3204

12.2485, 0.2194,
0.3017

43.0788, 0.2496,
0.3123

6.9132, 0.2019,
0.2946

59.5782, 0.2558,
0.3143

3.4078, 0.1768,
0.2833

79.8297, 0.2609,
0.3158

1.3482, 0.1373,
0.2629

104.2176, 0.2651,
0.3171

0.1781, 0.0000,
0.1358

133.1263, 0.2688,
0.3181

0.0000, 0.0000,
0.0000

166.9402, 0.2719,

0.3190

206.0436, 0.2746,
0.3198

■ 19.7983, 0.2322,
0.3064

■ 19.7983, 0.2322,
0.3064

■ 19.0131, 0.2251,
0.3024

■ 20.7100, 0.2411,
0.3103

■ 18.3409, 0.2198,
0.2984

■ 21.7560, 0.2517,
0.3142

■ 17.7677, 0.2162,
0.2945

■ 22.9458, 0.2637,
0.3179

■ 17.4854, 0.2146,
0.2924

■ 24.2875, 0.2768,
0.3214

■ 25.7887, 0.2909,
0.3246

■ 27.4562, 0.3056,
0.3277

■ 29.2966, 0.3206,
0.3304

■ 31.3160, 0.3358,
0.3329

■ 33.5203, 0.3509,
0.3351

Harmonies

Analogous

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



19.7983, 0.2556, 0.3520



19.7983, 0.2322, 0.3064



19.7983, 0.2288, 0.2722

Triad

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



19.7983, 0.2322, 0.3064



19.7983, 0.3257, 0.2751



19.7983, 0.3813, 0.4050

Complementary

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



19.7983, 0.2322, 0.3064



9.7136, 0.5002, 0.3470

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.



19.7983, 0.4038, 0.3775



19.7983, 0.2322, 0.3064



19.7983, 0.3710, 0.3049

Square

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



19.7983, 0.2322, 0.3064



19.7983, 0.2798, 0.2575



19.7983, 0.4004, 0.3413



19.7983, 0.3410, 0.4128

Rectangle

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



19.7983, 0.2322, 0.3064



19.7983, 0.2377, 0.2591



19.7983, 0.4004, 0.3413



19.7983, 0.3913, 0.3975

Sweetspot

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



19.7990, 0.2322, 0.3064



44.9084, 0.2843, 0.3231



21.3020, 0.2966, 0.5109



9.8385, 0.2807, 0.3223



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.



19.7990, 0.2322, 0.3064



33.4454, 0.2223, 0.3005



9.5810, 0.2079, 0.2013



6.0100, 0.2990, 0.3264



15.0247, 0.2146, 0.2926



0.1634, 0.2200, 0.3120

Inverse Universe

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



10.1159, 0.3374, 0.1988



15.3602, 0.3439, 0.1814



17.1951, 0.4385, 0.4249



5.5003, 0.3154, 0.3098



6.5031, 0.3520, 0.1712



0.0642, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 19.7983, 0.2322, 0.3064 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 19.7983, 0.2322, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

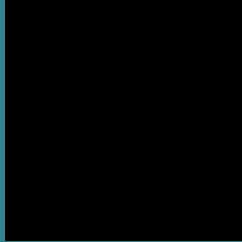
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7983, 0.2322, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 19.7983, 0.2322, 0.3064.

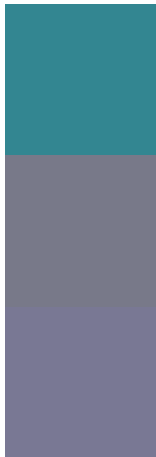


This preview shows how white text looks on a background with the Yxy color 19.7983, 0.2322, 0.3064.

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

19.7983, 0.2322, 0.3064

Protanopia

19.4740, 0.2939, 0.2996

Deuteranopia

19.6360, 0.2836, 0.2792



Tritanopia

19.7983, 0.2322, 0.3064

Trichromacy



Original Color

19.7983, 0.2322, 0.3064

Protanomaly

19.2481, 0.2651, 0.3017

Deuteranomaly

19.2606, 0.2597, 0.2871

Tritanomaly

19.7983, 0.2322, 0.3064

Monochromacy



Original Color

19.7983, 0.2322, 0.3064

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.7476, 0.2735, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7983, 0.2322, 0.3064 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(51, 134, 145)` looks like.

```
.text, #text, p{  
    color:rgb(51, 134, 145)  
}
```

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(51, 134, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 134, 145) }
```

Border

The CSS property to change the border of an element to Yxy 19.7983, 0.2322, 0.3064 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(51, 134, 145) }
```

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

```
.border{ border-color:rgb(51, 134, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 134, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 134, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 134, 145);  
box-shadow:4px 4px 4px 4px rgb(51, 134,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7983, 0.2322, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 134, 145) }
```

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

```
.background{ background-color: rgb(51, 134,  
145) }
```

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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