

Converting Colors

$Yxy(19.7021, 0.2286, 0.3379)$

Have a look what the booklet for
Yxy(19.7021, 0.2286, 0.3379)
contains.

Yxy(19.6493, 0.2285, 0.3374)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.6493, 0.2285, 0.3374)$

Conversions

Conversions Part 1

Format	Color
Hex	0A8985
RGB	10, 137, 133
RGB Percent	4%, 54%, 52%
CMY	0.9595, 0.4628, 0.4784
CMYK	0.92, 0.00, 0.03, 0.46
HSL	178°, 86%, 29%
HSV	178°, 92%, 54%
XYZ	13.3072, 19.6493, 25.2809
YIQ	98.5710, -74.4080, -28.1680

Conversions

Conversions Part 2

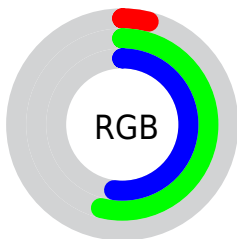
Format	Color
RYB	10, 75, 137
Decimal	690565
CIELab	51.44, -31.05, -6.65
CIELCh	51, 31.758, 192.091
Yxy	19.6493, 0.2285, 0.3374
Android (android.graphics.Color)	4278880645 (0xFF0A8985)
YUV	98.5710, 16.9735, -77.6768
Hunter-Lab	44.3275, -23.9870, -2.7850

Details

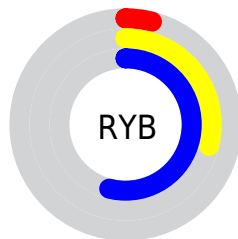
The Yxy color **19.6493, 0.2285, 0.3374** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.5748, 0.6170, 0.3273**, and the grayscale version is **12.3598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8330, 0.2468, 0.3364**, and **7.2957, 0.2265, 0.3353** is the 20% darker color. If you saturate the color by 10%, you get **19.5744, 0.2273, 0.3381**, and if you desaturate by 10%, it is **19.7899, 0.2309, 0.3364**.

Distribution



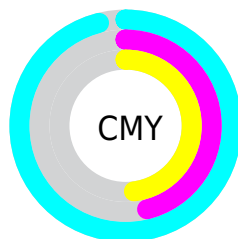
- Red (4%)
- Green (54%)
- Blue (52%)



- Red (4%)
- Yellow (29%)
- Blue (54%)



- Cyan (92%)
- Magenta (0%)
- Yellow (3%)
- Black (46%)




- Cyan (96%)
- Magenta (46%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6493, 0.2285, 0.3374 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 19.6493, 0.2285, 0.3374 by changing the saturation by 10% instead.


 19.6493, 0.2285,
0.3374


 19.6493, 0.2285,
0.3374


 250.0102, 0.2756,
0.3337


 12.1404, 0.2149,
0.3379


 42.8284, 0.2469,
0.3363


 6.8394, 0.1961,
0.3382


 59.2674, 0.2535,
0.3358


 3.3618, 0.1690,
0.3376

 79.4519, 0.2588,
0.3353

 1.3234, 0.1140,
0.3387

 103.7662, 0.2633,
0.3349

 0.1592, 0.0000,
0.1996

 132.5948, 0.2671,
0.3346

 0.0000, 0.0000,
0.0000

 166.3221, 0.2703,

0.3342

205.3324, 0.2731,
0.3340

■ 19.6493, 0.2285,
0.3374

■ 19.6493, 0.2285,
0.3374

■ 19.5744, 0.2273,
0.3381

■ 19.7899, 0.2309,
0.3364

■ 20.0143, 0.2351,
0.3354

■ 20.3344, 0.2410,
0.3344

■ 20.7597, 0.2488,
0.3334

■ 21.2986, 0.2582,
0.3325

■ 21.9585, 0.2692,
0.3316

■ 22.7462, 0.2815,
0.3307

■ 23.6683, 0.2949,
0.3299

■ 24.7305, 0.3091,
0.3292

Harmonies

Analogous

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



19.6493, 0.2713, 0.3967



19.6493, 0.2285, 0.3374



19.6493, 0.2083, 0.2824

Triad

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



19.6493, 0.2285, 0.3374



19.6493, 0.2887, 0.2458



19.6493, 0.4213, 0.4015

Complementary

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



19.6493, 0.2285, 0.3374



5.5748, 0.6170, 0.3273

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.



19.6493, 0.4297, 0.3578



19.6493, 0.2285, 0.3374



19.6493, 0.3489, 0.2728

Square

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



19.6493, 0.2285, 0.3374



19.6493, 0.2404, 0.2363



19.6493, 0.4026, 0.3124



19.6493, 0.3830, 0.4319

Rectangle

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



19.6493, 0.2285, 0.3374



19.6493, 0.2085, 0.2568



19.6493, 0.4026, 0.3124



19.6493, 0.4280, 0.3877

Sweetspot

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



19.6500, 0.2285, 0.3374



39.8410, 0.2738, 0.3312



18.0104, 0.3015, 0.5907



8.8228, 0.2693, 0.3316



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.6500, 0.2285, 0.3374



35.0522, 0.2273, 0.3384



7.3050, 0.1870, 0.1856



5.6859, 0.2995, 0.3297



18.2352, 0.2273, 0.3381



0.1215, 0.2259, 0.3331

Inverse Universe

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



5.5748, 0.6170, 0.3273



9.5366, 0.6366, 0.3281



9.6512, 0.5291, 0.4076



5.0510, 0.3276, 0.3284



4.9632, 0.6351, 0.3273



0.0333, 0.6128, 0.3149

Previews

White Background



This preview shows how the Yxy color 19.6493, 0.2285, 0.3374 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 19.6493, 0.2285, 0.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

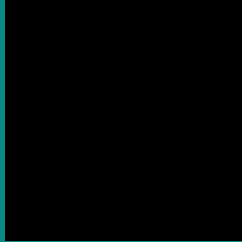
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6493, 0.2285, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 19.6493, 0.2285, 0.3374.



This preview shows how white text looks on a background with the Yxy color 19.6493, 0.2285, 0.3374.

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

19.6493, 0.2285, 0.3374

Protanopia

19.4151, 0.3130, 0.3234

Deuteranopia

19.5118, 0.3021, 0.2967



Tritanopia

19.6793, 0.2238, 0.3060

Trichromacy



Original Color

19.6493, 0.2285, 0.3374

Protanomaly

18.5500, 0.2657, 0.3289

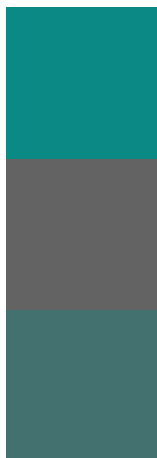
Deuteranomaly

18.6306, 0.2594, 0.3087

Tritanomaly

19.7136, 0.2254, 0.3182

Monochromacy



Original Color

19.6493, 0.2285, 0.3374

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.1512, 0.2614, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6493, 0.2285, 0.3374 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(10, 137, 133)` looks like.

```
.text, #text, p{  
    color:rgb(10, 137, 133)  
}
```

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(10, 137, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 137, 133) }
```

Border

The CSS property to change the border of an element to Yxy 19.6493, 0.2285, 0.3374 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(10, 137, 133) }
```

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

```
.border{ border-color:rgb(10, 137, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 137, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 137, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 137, 133);  
box-shadow:4px 4px 4px 4px rgb(10, 137,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6493, 0.2285, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 137, 133) }
```

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

```
.background{ background-color: rgb(10, 137,  
133) }
```

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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