

Converting Colors

$Yxy(20.1161, 0.2299, 0.3476)$

Have a look what the booklet for
Yxy(20.1161, 0.2299, 0.3476)
contains.

Yxy(20.0769, 0.2301, 0.3484)	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

$\text{Yxy}(20.0769, 0.2301, 0.3484)$

Conversions

Conversions Part 1

Format	Color
Hex	008B82
RGB	0, 139, 130
RGB Percent	0%, 55%, 51%
CMY	1.0000, 0.4549, 0.4903
CMYK	1.00, 0.00, 0.06, 0.45
HSL	176°, 100%, 27%
HSV	176°, 100%, 55%
XYZ	13.2597, 20.0769, 24.2894
YIQ	96.4130, -79.9550, -32.2670

Conversions

Conversions Part 2

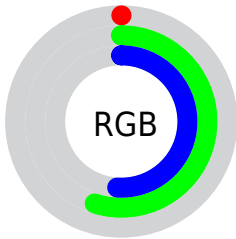
Format	Color
RYB	0, 72, 139
Decimal	35714
CIELab	51.92, -33.46, -4.19
CIELCh	52, 33.717, 187.132
Yxy	20.0769, 0.2301, 0.3484
Android (android.graphics.Color)	4278225794 (0xFF008B82)
YUV	96.4130, 16.5584, -84.5542
Hunter-Lab	44.8073, -25.5895, -0.7752

Details

The Yxy color **20.0769, 0.2301, 0.3484** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.5093, 0.6306, 0.3247**, and the grayscale version is **11.7768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4901, 0.2481, 0.3441**, and **7.5735, 0.2310, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **20.0784, 0.2301, 0.3484**, and if you desaturate by 10%, it is **20.1953, 0.2315, 0.3463**.

Distribution



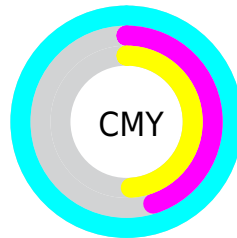
- Red (0%)
- Green (55%)
- Blue (51%)



- Red (0%)
- Yellow (28%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0769, 0.2301, 0.3484 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 20.0769, 0.2301, 0.3484 by changing the saturation by 10% instead.


 20.0769, 0.2301,
0.3484


 20.0769, 0.2301,
0.3484


 252.3311, 0.2763,
0.3382


 12.4510, 0.2167,
0.3510


 43.5461, 0.2482,
0.3446


 7.0516, 0.1982,
0.3543


 60.1581, 0.2546,
0.3432


 3.4944, 0.1714,
0.3584

 80.5343, 0.2599,
0.3420

 1.3950, 0.1158,
0.3687

 105.0590, 0.2642,
0.3410

 0.2130, 0.0000,
0.2888

 134.1166, 0.2680,
0.3402

 0.0000, 0.0000,
0.0000

 168.0916, 0.2711,

0.3394

207.3683, 0.2739,
0.3388

■ 20.0769, 0.2301,
0.3484

■ 20.0769, 0.2301,
0.3484

■ 20.0784, 0.2301,
0.3484

■ 20.1953, 0.2315,
0.3463

■ 20.3713, 0.2341,
0.3442

■ 20.6380, 0.2385,
0.3421

■ 21.0063, 0.2447,
0.3400

■ 21.4859, 0.2526,
0.3379

■ 22.0850, 0.2622,
0.3359

■ 22.8114, 0.2732,
0.3340

■ 23.6719, 0.2855,
0.3322

■ 24.6730, 0.2988,
0.3305

Harmonies

Analogous

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



20.0769, 0.2780, 0.4096



20.0769, 0.2301, 0.3484



20.0769, 0.2050, 0.2879

Triad

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



20.0769, 0.2301, 0.3484



20.0769, 0.2777, 0.2389



20.0769, 0.4308, 0.3975

Complementary

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



20.0769, 0.2301, 0.3484



5.5093, 0.6306, 0.3247

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.



20.0769, 0.4339, 0.3507



20.0769, 0.2301, 0.3484



20.0769, 0.3400, 0.2643

Square

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



20.0769, 0.2301, 0.3484



20.0769, 0.2303, 0.2322



20.0769, 0.3995, 0.3038



20.0769, 0.3945, 0.4334

Rectangle

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



20.0769, 0.2301, 0.3484



20.0769, 0.2025, 0.2585



20.0769, 0.3995, 0.3038



20.0769, 0.4360, 0.3825

Sweetspot

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



20.0784, 0.2301, 0.3484



40.7551, 0.2725, 0.3341



18.5269, 0.3020, 0.5984



9.2743, 0.2682, 0.3348



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.



20.0784, 0.2301, 0.3484



35.9439, 0.2302, 0.3488



7.4232, 0.1845, 0.1840



5.6831, 0.2999, 0.3304



18.1208, 0.2301, 0.3483



0.1212, 0.2272, 0.3378

Inverse Universe

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



5.5093, 0.6306, 0.3247



9.8557, 0.6331, 0.3261



8.7460, 0.5564, 0.3964



5.0535, 0.3271, 0.3276



4.9729, 0.6300, 0.3244



0.0336, 0.5871, 0.3008

Previews

White Background



This preview shows how the Yxy color 20.0769, 0.2301, 0.3484 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 20.0769, 0.2301, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

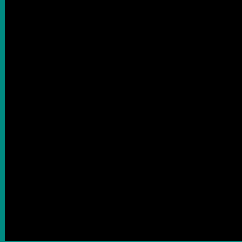
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0769, 0.2301, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 20.0769, 0.2301, 0.3484.



This preview shows how white text looks on a background with the Yxy color 20.0769, 0.2301, 0.3484.

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

20.0769, 0.2301, 0.3484

Protanopia

19.9820, 0.3187, 0.3327

Deuteranopia

19.9000, 0.3090, 0.3040



Tritanopia

20.0535, 0.2237, 0.3043

Trichromacy



Original Color

20.0769, 0.2301, 0.3484

Protanomaly

18.8612, 0.2662, 0.3393

Deuteranomaly

18.7112, 0.2604, 0.3166

Tritanomaly

19.9631, 0.2253, 0.3203

Monochromacy



Original Color

20.0769, 0.2301, 0.3484

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.6632, 0.2583, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0769, 0.2301, 0.3484 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, 139, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 130)  
}
```

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, 139, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 130) }
```

Border

The CSS property to change the border of an element to Yxy 20.0769, 0.2301, 0.3484 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, 139, 130) }
```

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

```
.border{ border-color:rgb(0, 139, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0769, 0.2301, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 130) }
```

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

```
.background{ background-color: rgb(0, 139,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor