

Converting Colors

$Yxy(18.3945, 0.1881, 0.4063)$

Have a look what the booklet for
Yxy(18.3945, 0.1881, 0.4063)
contains.

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Color

Yxy(20.5159, 0.2435, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	008E70
RGB	0, 142, 112
RGB Percent	0%, 56%, 44%
CMY	0.9994, 0.4431, 0.5608
CMYK	1.00, 0.00, 0.21, 0.44
HSL	167°, 100%, 28%
HSV	167°, 100%, 56%
XYZ	12.5993, 20.5159, 18.6273
YIQ	96.1220, -75.0020, -39.4340

Conversions

Conversions Part 2

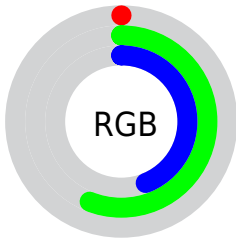
Format	Color
RYB	0, 79, 142
Decimal	36464
CIELab	52.42, -39.95, 6.93
CIElCh	52, 40.551, 170.158
Yxy	20.5159, 0.2435, 0.3965
Android (android.graphics.Color)	4278226544 (0xFF008E70)
YUV	96.1220, 7.8279, -84.2990
Hunter-Lab	45.2945, -29.6131, 7.3232

Details

The Yxy color **20.5159, 0.2435, 0.3965** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.8485, 0.5994, 0.3077**, and the grayscale version is **11.7345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4977, 0.2593, 0.3805**, and **7.8523, 0.2504, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **20.5150, 0.2435, 0.3966**, and if you desaturate by 10%, it is **20.6799, 0.2437, 0.3890**.

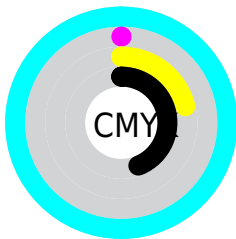
Distribution



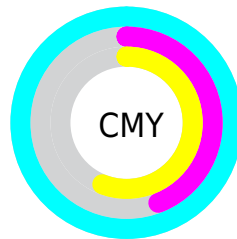
- Red (0%)
- Green (56%)
- Blue (44%)



- Red (0%)
- Yellow (31%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5159, 0.2435, 0.3965 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 20.5159, 0.2435, 0.3965 by changing the saturation by 10% instead.


 20.5159, 0.2435,
0.3965


 20.5159, 0.2435,
0.3965


254.6945, 0.2832,
0.3570


 12.7706, 0.2315,
0.4090


 44.2805, 0.2594,
0.3804


 7.2708, 0.2145,
0.4270


 61.0685, 0.2649,
0.3749


 3.6320, 0.1890,
0.4552

 81.6396, 0.2693,
0.3705

 1.4699, 0.1177,
0.5224

 106.3781, 0.2730,
0.3668

 0.2674, 0.0000,
1.0000

 135.6685, 0.2762,
0.3638

 0.0000, 0.0000,
0.0000

 169.8950, 0.2788,

0.3612

209.4422, 0.2811,
0.3589

■ 20.5159, 0.2435,
0.3965

■ 20.5159, 0.2435,
0.3965

■ 20.5150, 0.2435,
0.3966

■ 20.6799, 0.2437,
0.3890

■ 20.9087, 0.2451,
0.3814

■ 21.2348, 0.2485,
0.3739

■ 21.6698, 0.2536,
0.3665

■ 22.2239, 0.2605,
0.3592

■ 22.9058, 0.2689,
0.3523

■ 23.7237, 0.2786,
0.3458

■ 24.6849, 0.2893,
0.3397

■ 25.7961, 0.3008,
0.3341

Harmonies

Analogous

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



20.5159, 0.3096, 0.4553



20.5159, 0.2435, 0.3965



20.5159, 0.1992, 0.3173

Triad

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



20.5159, 0.2435, 0.3965



20.5159, 0.2368, 0.2168



20.5159, 0.4606, 0.3761

Complementary

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



20.5159, 0.2435, 0.3965



5.8485, 0.5994, 0.3077

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.



20.5159, 0.4393, 0.3211



20.5159, 0.2435, 0.3965



20.5159, 0.3013, 0.2346

Square

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



20.5159, 0.2435, 0.3965



20.5159, 0.1968, 0.2224



20.5159, 0.3777, 0.2715



20.5159, 0.4366, 0.4285

Rectangle

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



20.5159, 0.2435, 0.3965



20.5159, 0.1858, 0.2727



20.5159, 0.3777, 0.2715



20.5159, 0.4588, 0.3576

Sweetspot

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



20.5167, 0.2435, 0.3965



41.7215, 0.2779, 0.3462



19.6356, 0.3090, 0.5928



9.1948, 0.2742, 0.3486



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.



20.5167, 0.2435, 0.3965



36.1526, 0.2439, 0.3981



11.4193, 0.1990, 0.2363



6.0971, 0.3017, 0.3337



18.4225, 0.2434, 0.3963



0.1793, 0.2335, 0.3607

Inverse Universe

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



5.8485, 0.5994, 0.3077



10.2863, 0.6043, 0.3103



7.2919, 0.5963, 0.3646



5.4416, 0.3250, 0.3244



5.2500, 0.5987, 0.3072



0.0529, 0.5014, 0.2536

Previews

White Background



This preview shows how the Yxy color 20.5159, 0.2435, 0.3965 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 20.5159, 0.2435, 0.3965 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 20.5159, 0.2435, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 20.5159, 0.2435, 0.3965.



This preview shows how white text looks on a background with the Yxy color 20.5159, 0.2435, 0.3965.

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

20.5159, 0.2435, 0.3965

Protanopia

20.2199, 0.3459, 0.3678

Deuteranopia

20.2063, 0.3405, 0.3344



Tritanopia

20.5430, 0.2281, 0.3066

Trichromacy



Original Color

20.5159, 0.2435, 0.3965

Protanomaly

19.1122, 0.2859, 0.3825

Deuteranomaly

18.8000, 0.2829, 0.3561

Tritanomaly

20.4475, 0.2319, 0.3372

Monochromacy



Original Color

20.5159, 0.2435, 0.3965

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.7617, 0.2644, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5159, 0.2435, 0.3965 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, 142, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 112)  
}
```

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, 142, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 112) }
```

Border

The CSS property to change the border of an element to Yxy 20.5159, 0.2435, 0.3965 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, 142, 112) }
```

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

```
.border{ border-color:rgb(0, 142, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5159, 0.2435, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 112) }
```

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

```
.background{ background-color: rgb(0, 142,  
112) }
```

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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