

Converting Colors

$Yxy(20.9848, 0.2416, 0.3878)$

Have a look what the booklet for
Yxy(20.9848, 0.2416, 0.3878)
contains.

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Color

Yxy(20.9551, 0.2413, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	048F75
RGB	4, 143, 117
RGB Percent	2%, 56%, 46%
CMY	0.9842, 0.4392, 0.5412
CMYK	0.97, 0.00, 0.18, 0.44
HSL	169°, 95%, 29%
HSV	169°, 97%, 56%
XYZ	13.0827, 20.9551, 20.1798
YIQ	98.4750, -74.4980, -37.5540

Conversions

Conversions Part 2

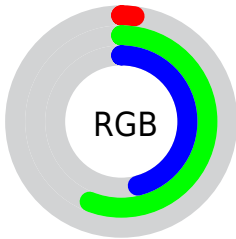
Format	Color
R _Y B	4, 81, 143
Decimal	298869
CIE Lab	52.90, -38.82, 4.76
CIE LCh	53, 39.115, 173.003
Yxy	20.9551, 0.2413, 0.3865
Android (android.graphics.Color)	4278488949 (0xFF048F75)
YUV	98.4750, 9.1328, -82.8546
Hunter-Lab	45.7767, -29.0951, 5.9069

Details

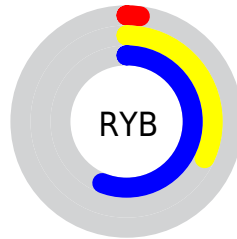
The Yxy color **20.9551, 0.2413, 0.3865** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.0211, 0.5980, 0.3102**, and the grayscale version is **12.3309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2312, 0.2577, 0.3737**, and **8.0840, 0.2461, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **20.9123, 0.2412, 0.3884**, and if you desaturate by 10%, it is **21.1255, 0.2419, 0.3799**.

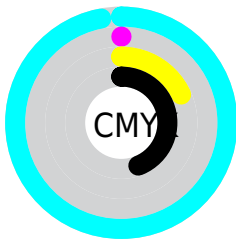
Distribution



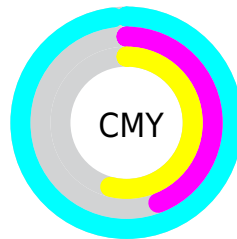
- Red (2%)
- Green (56%)
- Blue (46%)



- Red (2%)
- Yellow (32%)
- Blue (56%)



- Cyan (97%)
- Magenta (0%)
- Yellow (18%)
- Black (44%)





- Cyan (98%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9551, 0.2413, 0.3865 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 20.9551, 0.2413, 0.3865 by changing the saturation by 10% instead.


 20.9551, 0.2413,
0.3865

 20.9551, 0.2413,
0.3865


257.0398, 0.2818,
0.3533

 13.0912, 0.2292,
0.3968


 45.0128, 0.2574,
0.3731


 7.4914, 0.2123,
0.4114


 61.9754, 0.2630,
0.3685


 3.7713, 0.1872,
0.4340

 82.7396, 0.2676,
0.3647

 1.5464, 0.1280,
0.4830

 107.6899, 0.2714,
0.3617

 0.3211, 0.0000,
0.9511

 137.2107, 0.2746,
0.3591

 0.0000, 0.0000,
0.0000

 171.6863, 0.2774,

0.3568

211.5012, 0.2798,
0.3549

■ 20.9551, 0.2413,
0.3865

■ 20.9551, 0.2413,
0.3865

■ 20.9123, 0.2412,
0.3884

■ 21.1255, 0.2419,
0.3799

■ 21.3766, 0.2440,
0.3733

■ 21.7295, 0.2480,
0.3667

■ 22.1955, 0.2538,
0.3603

■ 22.7846, 0.2613,
0.3540

■ 23.5055, 0.2703,
0.3480

■ 24.3661, 0.2806,
0.3423

■ 25.3738, 0.2918,
0.3371

■ 26.5354, 0.3038,
0.3322

Harmonies

Analogous

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



20.9551, 0.3037, 0.4460



20.9551, 0.2413, 0.3865



20.9551, 0.2009, 0.3115

Triad

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



20.9551, 0.2413, 0.3865



20.9551, 0.2448, 0.2215



20.9551, 0.4542, 0.3801

Complementary

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



20.9551, 0.2413, 0.3865



6.0211, 0.5980, 0.3102

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.



20.9551, 0.4378, 0.3268



20.9551, 0.2413, 0.3865



20.9551, 0.3087, 0.2406

Square

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



20.9551, 0.2413, 0.3865



20.9551, 0.2035, 0.2248



20.9551, 0.3818, 0.2778



20.9551, 0.4280, 0.4293

Rectangle

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



20.9551, 0.2413, 0.3865



20.9551, 0.1895, 0.2702



20.9551, 0.3818, 0.2778



20.9551, 0.4538, 0.3623

Sweetspot

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



20.9559, 0.2413, 0.3865



43.2363, 0.2780, 0.3437



19.9589, 0.3086, 0.5903



9.7777, 0.2740, 0.3458



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.



20.9559, 0.2413, 0.3865



37.4252, 0.2416, 0.3897



11.3765, 0.1988, 0.2334



6.0992, 0.3014, 0.3331



18.4923, 0.2411, 0.3880



0.1797, 0.2324, 0.3566

Inverse Universe

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



6.0211, 0.5980, 0.3102



10.5784, 0.6109, 0.3139



7.7805, 0.5847, 0.3694



5.4396, 0.3254, 0.3249



5.2348, 0.6054, 0.3109



0.0525, 0.5131, 0.2600

Previews

White Background



This preview shows how the Yxy color 20.9551, 0.2413, 0.3865 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 20.9551, 0.2413, 0.3865 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 20.9551, 0.2413, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 20.9551, 0.2413, 0.3865.



This preview shows how white text looks on a background with the Yxy color 20.9551, 0.2413, 0.3865.

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

20.9551, 0.2413, 0.3865

Protanopia

20.6555, 0.3410, 0.3601

Deuteranopia

20.5689, 0.3341, 0.3273



Tritanopia

20.8712, 0.2270, 0.3048

Trichromacy



Original Color

20.9551, 0.2413, 0.3865



Protanomaly

19.5815, 0.2833, 0.3731



Deuteranomaly

19.2302, 0.2792, 0.3474



Tritanomaly

20.8380, 0.2308, 0.3329

Monochromacy



Original Color

20.9551, 0.2413, 0.3865



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

14.1445, 0.2647, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9551, 0.2413, 0.3865 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(4, 143, 117)` looks like.

```
.text, #text, p{  
    color:rgb(4, 143, 117)  
}
```

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(4, 143, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 143, 117) }
```

Border

The CSS property to change the border of an element to Yxy 20.9551, 0.2413, 0.3865 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(4, 143, 117) }
```

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

```
.border{ border-color:rgb(4, 143, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 143, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 143, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 143, 117);  
box-shadow:4px 4px 4px 4px rgb(4, 143,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9551, 0.2413, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 143, 117) }
```

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

```
.background{ background-color: rgb(4, 143,  
117) }
```

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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