

Converting Colors

$Yxy(21.9684, 0.2391, 0.3781)$

Have a look what the booklet for
Yxy(21.9684, 0.2391, 0.3781)
contains.

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Color

Yxy(22.0201, 0.2391, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	05927B
RGB	5, 146, 123
RGB Percent	2%, 57%, 48%
CMY	0.9817, 0.4274, 0.5176
CMYK	0.97, 0.00, 0.16, 0.43
HSL	170°, 94%, 30%
HSV	170°, 97%, 57%
XYZ	13.9139, 22.0201, 22.2587
YIQ	101.2190, -76.6530, -37.0450

Conversions

Conversions Part 2

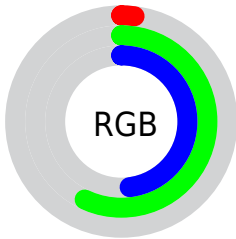
Format	Color
RYB	5, 82, 146
Decimal	365179
CIELab	54.05, -38.42, 2.96
CIELCh	54, 38.530, 175.601
Yxy	22.0201, 0.2391, 0.3784
Android (android.graphics.Color)	4278555259 (0xFF05927B)
YUV	101.2190, 10.7380, -84.3841
Hunter-Lab	46.9256, -29.1929, 4.7243

Details

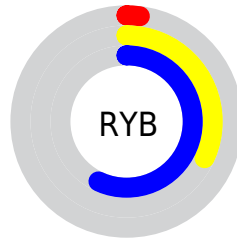
The Yxy color **22.0201, 0.2391, 0.3784** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.2955, 0.6037, 0.3138**, and the grayscale version is **13.0347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8947, 0.2556, 0.3683**, and **8.4998, 0.2427, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **21.9718, 0.2390, 0.3802**, and if you desaturate by 10%, it is **22.1922, 0.2399, 0.3728**.

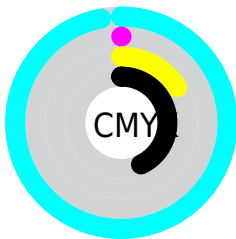
Distribution



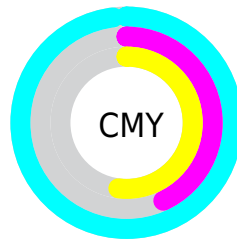
- Red (2%)
- Green (57%)
- Blue (48%)



- Red (2%)
- Yellow (32%)
- Blue (57%)



- Cyan (97%)
- Magenta (0%)
- Yellow (16%)
- Black (43%)





- Cyan (98%)
- Magenta (43%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0201, 0.2391, 0.3784 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 22.0201, 0.2391, 0.3784 by changing the saturation by 10% instead.


 22.0201, 0.2391,
0.3784


 22.0201, 0.2391,
0.3784


262.6512, 0.2804,
0.3503


 13.8717, 0.2270,
0.3868


 46.7792, 0.2553,
0.3672

 8.0315, 0.2104,
0.3986

 64.1587, 0.2610,
0.3633


 4.1151, 0.1860,
0.4164

 85.3840, 0.2657,
0.3602

 1.7381, 0.1398,
0.4497

 110.8394, 0.2696,
0.3575

 0.4482, 0.0000,
0.6143

 140.9095, 0.2729,
0.3553

 0.0000, 0.0000,
0.0000

 175.9786, 0.2758,

0.3534

216.4310, 0.2782,
0.3518

■ 22.0201, 0.2391,
0.3784

■ 22.0201, 0.2391,
0.3784

■ 21.9718, 0.2390,
0.3802

■ 22.1922, 0.2399,
0.3728

■ 22.4507, 0.2423,
0.3671

■ 22.8159, 0.2465,
0.3614

■ 23.2998, 0.2525,
0.3559

■ 23.9127, 0.2603,
0.3505

■ 24.6638, 0.2696,
0.3453

■ 25.5616, 0.2801,
0.3404

■ 26.6136, 0.2917,
0.3358

■ 27.8270, 0.3040,
0.3316

Harmonies

Analogous

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



22.0201, 0.2985, 0.4385



22.0201, 0.2391, 0.3784



22.0201, 0.2019, 0.3065

Triad

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



22.0201, 0.2391, 0.3784



22.0201, 0.2514, 0.2251



22.0201, 0.4493, 0.3836

Complementary

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



22.0201, 0.2391, 0.3784



6.2955, 0.6037, 0.3138

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.



22.0201, 0.4370, 0.3316



22.0201, 0.2391, 0.3784



22.0201, 0.3151, 0.2455

Square

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



22.0201, 0.2391, 0.3784



22.0201, 0.2090, 0.2264



22.0201, 0.3854, 0.2831



22.0201, 0.4211, 0.4303

Rectangle

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



22.0201, 0.2391, 0.3784



22.0201, 0.1923, 0.2678



22.0201, 0.3854, 0.2831



22.0201, 0.4501, 0.3664

Sweetspot

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



22.0209, 0.2391, 0.3784



44.6196, 0.2771, 0.3417



20.8208, 0.3066, 0.5916



9.7912, 0.2730, 0.3436



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.



22.0209, 0.2391, 0.3784



38.7347, 0.2393, 0.3813



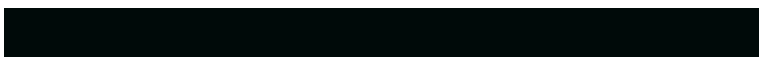
11.0098, 0.1959, 0.2223



6.5462, 0.3010, 0.3326



19.3355, 0.2389, 0.3799



0.2401, 0.2313, 0.3527

Inverse Universe

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



6.2955, 0.6037, 0.3138



10.8779, 0.6169, 0.3172



8.5588, 0.5757, 0.3761



5.8299, 0.3258, 0.3254



5.4372, 0.6120, 0.3145



0.0695, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 22.0201, 0.2391, 0.3784 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 22.0201, 0.2391, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

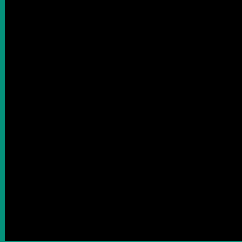
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0201, 0.2391, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 22.0201, 0.2391, 0.3784.

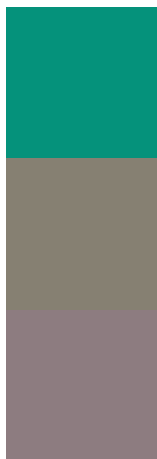


This preview shows how white text looks on a background with the Yxy color 22.0201, 0.2391, 0.3784.

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

22.0201, 0.2391, 0.3784

Protanopia

21.7216, 0.3357, 0.3541

Deuteranopia

21.6365, 0.3289, 0.3222



Tritanopia

22.1382, 0.2273, 0.3072

Trichromacy



Original Color

22.0201, 0.2391, 0.3784

Protanomaly

20.6385, 0.2801, 0.3658

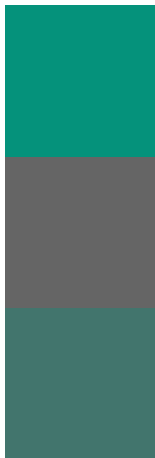
Deuteranomaly

20.2330, 0.2752, 0.3409

Tritanomaly

21.8448, 0.2299, 0.3308

Monochromacy



Original Color

22.0201, 0.2391, 0.3784

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.9850, 0.2637, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0201, 0.2391, 0.3784 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(5, 146, 123)` looks like.

```
.text, #text, p{  
  color:rgb(5, 146, 123)  
}
```

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(5, 146, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 146, 123) }
```

Border

The CSS property to change the border of an element to Yxy 22.0201, 0.2391, 0.3784 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(5, 146, 123) }
```

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

```
.border{ border-color:rgb(5, 146, 123) }
```

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

Here you see how a box with a 4 pixel rgb(5, 146, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 146, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 146, 123);  
box-shadow:4px 4px 4px 4px rgb(5, 146,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0201, 0.2391, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 146, 123) }
```

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

```
.background{ background-color: rgb(5, 146,  
123) }
```

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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