

Converting Colors

$Y_{xy}(10.8172, 0.2466, 0.3838)$

Have a look what the booklet for
 $\text{Yxy}(10.8172, 0.2466, 0.3838)$
contains.

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Color

Yxy(10.9078, 0.2473, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	146955
RGB	20, 105, 85
RGB Percent	8%, 41%, 33%
CMY	0.9218, 0.5882, 0.6666
CMYK	0.81, 0.00, 0.19, 0.59
HSL	166°, 68%, 24%
HSV	166°, 81%, 41%
XYZ	6.9793, 10.9078, 10.3349
YIQ	77.3050, -44.2400, -24.2400

Conversions

Conversions Part 2

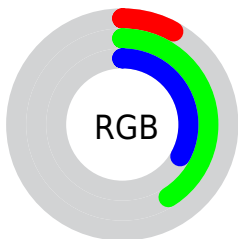
Format	Color
R_{YB}	20, 68, 105
Decimal	1337685
CIE _{Lab}	39.42, -29.52, 4.33
CIE _{LCh}	39, 29.839, 171.660
Yxy	10.9078, 0.2473, 0.3865
Android (android.graphics.Color)	4279527765 (0xFF146955)
YUV	77.3050, 3.7936, -50.2565
Hunter-Lab	33.0270, -20.0763, 4.5657

Details

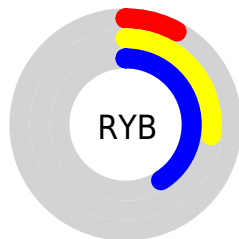
The Yxy color **10.9078, 0.2473, 0.3865** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.6545, 0.5175, 0.2929**, and the grayscale version is **7.4776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5255, 0.2643, 0.3701**, and **3.0795, 0.2485, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **10.7825, 0.2458, 0.3947**, and if you desaturate by 10%, it is **11.0827, 0.2506, 0.3783**.

Distribution



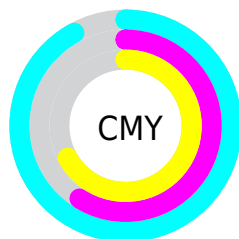
- Red (8%)
- Green (41%)
- Blue (33%)



- Red (8%)
- Yellow (27%)
- Blue (41%)



- Cyan (81%)
- Magenta (0%)
- Yellow (19%)
- Black (59%)




- Cyan (92%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9078, 0.2473, 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 10.9078, 0.2473, 0.3865 by changing the saturation by 10% instead.


 10.9078, 0.2473,
0.3865


 10.9078, 0.2473,
0.3865


 197.0339, 0.2880,
0.3502


 6.0049, 0.2328,
0.4000


 27.4895, 0.2648,
0.3706


 2.8480, 0.2103,
0.4215


 39.9372, 0.2704,
0.3656

 1.0529, 0.1256,
0.4881

 55.6684, 0.2749,
0.3616


 0.0000, 0.0000,
0.0000


 75.0678, 0.2785,
0.3584


 98.5196, 0.2815,
0.3558


 126.4083, 0.2840,

0.3536


 159.1183, 0.2861,
0.3518


 10.9078, 0.2473,
0.3865

 10.9078, 0.2473,
0.3865


 10.7825, 0.2458,
0.3947


 11.0827, 0.2506,
0.3783

 10.6881, 0.2451,
0.4022

 11.3116, 0.2555,
0.3702

 11.5994, 0.2621,
0.3624

 11.9504, 0.2701,
0.3549

 12.3685, 0.2793,
0.3478

■ 12.8571, 0.2894,
0.3412

■ 13.4194, 0.3003,
0.3351

■ 14.0587, 0.3116,
0.3295

■ 14.7776, 0.3231,
0.3245

Harmonies

Analogous

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



10.9078, 0.3075, 0.4408



10.9078, 0.2473, 0.3865



10.9078, 0.2073, 0.3158

Triad

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



10.9078, 0.2473, 0.3865



10.9078, 0.2458, 0.2259



10.9078, 0.4474, 0.3763

Complementary

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



10.9078, 0.2473, 0.3865



3.6545, 0.5175, 0.2929

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.



10.9078, 0.4297, 0.3252



10.9078, 0.2473, 0.3865



10.9078, 0.3061, 0.2433

Square

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



10.9078, 0.2473, 0.3865



10.9078, 0.2072, 0.2303



10.9078, 0.3754, 0.2784



10.9078, 0.4246, 0.4233

Rectangle

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



10.9078, 0.2473, 0.3865



10.9078, 0.1954, 0.2758



10.9078, 0.3754, 0.2784



10.9078, 0.4462, 0.3592

Sweetspot

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



10.9082, 0.2473, 0.3865



22.6832, 0.2856, 0.3436



10.6300, 0.3191, 0.5560



5.2599, 0.2829, 0.3453



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.9082, 0.2473, 0.3865



19.1648, 0.2457, 0.4019



7.4682, 0.2142, 0.2672



3.4803, 0.3025, 0.3339



13.5263, 0.2453, 0.4032



68.7835, 0.2466, 0.4079

Inverse Universe

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



3.6545, 0.5175, 0.2929



5.5918, 0.5825, 0.3019



4.6541, 0.5356, 0.3691



3.1274, 0.3240, 0.3241



3.8845, 0.5883, 0.3014



19.6772, 0.6015, 0.3087

Previews

White Background



This preview shows how the Yxy color 10.9078, 0.2473, 0.3865 looks on a white 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

Black Background



This preview shows how the Yxy color 10.9078, 0.2473, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

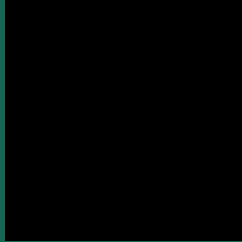
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9078, 0.2473, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 10.9078, 0.2473, 0.3865.



This preview shows how white text looks on a background with the Yxy color 10.9078, 0.2473, 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

10.9078, 0.2473, 0.3865

Protanopia

10.7602, 0.3405, 0.3603

Deuteranopia

10.7329, 0.3374, 0.3314



Tritanopia

11.0036, 0.2321, 0.3079

Trichromacy



Original Color

10.9078, 0.2473, 0.3865

Protanomaly

10.4087, 0.2935, 0.3720

Deuteranomaly

10.2890, 0.2912, 0.3500

Tritanomaly

10.9161, 0.2368, 0.3342

Monochromacy



Original Color

10.9078, 0.2473, 0.3865

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.2363, 0.2753, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9078, 0.2473, 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(20, 105, 85)` looks like.

```
.text, #text, p{  
    color:rgb(20, 105, 85)  
}
```

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(20, 105, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 105, 85) }
```

Border

The CSS property to change the border of an element to Yxy 10.9078, 0.2473, 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(20, 105, 85) }
```

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

```
.border{ border-color:rgb(20, 105, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 105, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 105, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 105, 85);  
box-shadow:4px 4px 4px 4px rgb(20, 105,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9078, 0.2473, 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(20, 105, 85) }
```

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

```
.background{ background-color: rgb(20, 105,  
85) }
```

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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