

Converting Colors

$Y_{xy}(9.9843, 0.3900, 0.5081)$

Have a look what the booklet for
Yxy(9.9843, 0.3900, 0.5081)
contains.

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Color

Yxy(10.0157, 0.3891, 0.5084)

Conversions

Conversions Part 1

Format	Color
Hex	525F10
RGB	82, 95, 16
RGB Percent	32%, 37%, 6%
CMY	0.6784, 0.6274, 0.9373
CMYK	0.14, 0.00, 0.83, 0.63
HSL	70°, 71%, 22%
HSV	70°, 83%, 37%
XYZ	7.6654, 10.0157, 2.0193
YIQ	82.1070, 17.6110, -27.3250

Conversions

Conversions Part 2

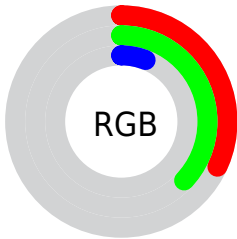
Format	Color
RYB	16, 95, 29
Decimal	5398288
CIELab	37.87, -16.18, 39.94
CIELCh	38, 43.093, 112.048
Yxy	10.0157, 0.3891, 0.5084
Android (android.graphics.Color)	4283588368 (0xFF525F10)
YUV	82.1070, -32.5908, -0.0938
Hunter-Lab	31.6476, -12.1484, 18.3703

Details

The Yxy color **10.0157, 0.3891, 0.5084** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4581, 0.1817, 0.0961**, and the grayscale version is **8.5247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7125, 0.3762, 0.4619**, and **2.5367, 0.3747, 0.5407** is the 20% darker color. If you saturate the color by 10%, you get **9.9237, 0.3912, 0.5194**, and if you desaturate by 10%, it is **10.1220, 0.3849, 0.4938**.

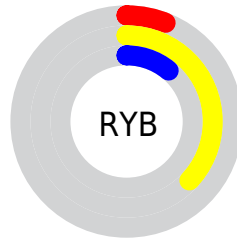
Distribution



Red (32%)

Green (37%)

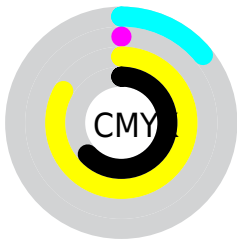
Blue (6%)



Red (6%)

Yellow (37%)

Blue (11%)

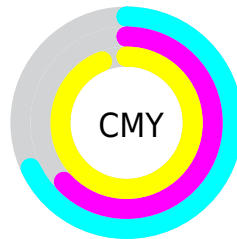


Cyan (14%)

Magenta (0%)

Yellow (83%)

Black (63%)



Cyan (68%)


Magenta (63%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0157, 0.3891, 0.5084 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 10.0157, 0.3891, 0.5084 by changing the saturation by 10% instead.


 10.0157, 0.3891,
0.5084


 10.0157, 0.3891,
0.5084


190.7841, 0.3483,
0.3967


 5.4094, 0.3968,
0.5460

 25.8250, 0.3755,
0.4619


 2.4894, 0.4006,
0.5994


 37.7968, 0.3696,
0.4462

 0.8713, 0.3321,
0.6679

 52.9925, 0.3646,
0.4336

 0.0000, 0.0000,
0.0000


 71.7966, 0.3604,
0.4234


 94.5934, 0.3567,
0.4150


 121.7673, 0.3535,


0.4079


 153.7027, 0.3507,
0.4018


 10.0157, 0.3891,
0.5084


 10.0157, 0.3891,
0.5084

 9.9237, 0.3912,
0.5194


 10.1220, 0.3849,
0.4938

 9.8629, 0.3923,
0.5267

 10.2435, 0.3786,
0.4757

 10.3819, 0.3705,
0.4547

 10.5384, 0.3609,
0.4318

 10.7140, 0.3502,
0.4077

■ 10.9096, 0.3390,
0.3834

■ 11.1261, 0.3276,
0.3593

■ 11.3643, 0.3162,
0.3361

■ 11.6251, 0.3052,
0.3141

Harmonies

Analogous

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



10.0157, 0.4667, 0.4551



10.0157, 0.3891, 0.5084



10.0157, 0.2973, 0.5028

Triad

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



10.0157, 0.3891, 0.5084



10.0157, 0.1490, 0.2255



10.0157, 0.4054, 0.2571

Complementary

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



10.0157, 0.3891, 0.5084



1.4581, 0.1817, 0.0961

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.



10.0157, 0.3018, 0.2108



10.0157, 0.3891, 0.5084



10.0157, 0.1670, 0.1900

Square

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



10.0157, 0.3891, 0.5084



10.0157, 0.1634, 0.3028



10.0157, 0.2175, 0.1870



10.0157, 0.4868, 0.3181

Rectangle

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



10.0157, 0.3891, 0.5084



10.0157, 0.2395, 0.4513



10.0157, 0.2175, 0.1870



10.0157, 0.3709, 0.2396

Sweetspot

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



10.0162, 0.3891, 0.5084



18.5939, 0.3419, 0.3897



3.2939, 0.5577, 0.3516



4.4370, 0.3445, 0.3952



50.7079, 0.3127, 0.3290



4.6964, 0.3127, 0.3290

Same Dimension

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



10.0162, 0.3891, 0.5084



16.8572, 0.3915, 0.5273



8.7501, 0.3284, 0.5516



2.9498, 0.3227, 0.3493



13.9982, 0.3918, 0.5271



74.4574, 0.3901, 0.5285

Inverse Universe

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



1.4581, 0.1817, 0.0961



1.5653, 0.1593, 0.0651



2.4026, 0.2544, 0.1332



2.5336, 0.3022, 0.3082



1.3074, 0.1599, 0.0655



6.7136, 0.1562, 0.0634

Previews

White Background



This preview shows how the Yxy color 10.0157, 0.3891, 0.5084 looks on a white background.

Color Contrast Check

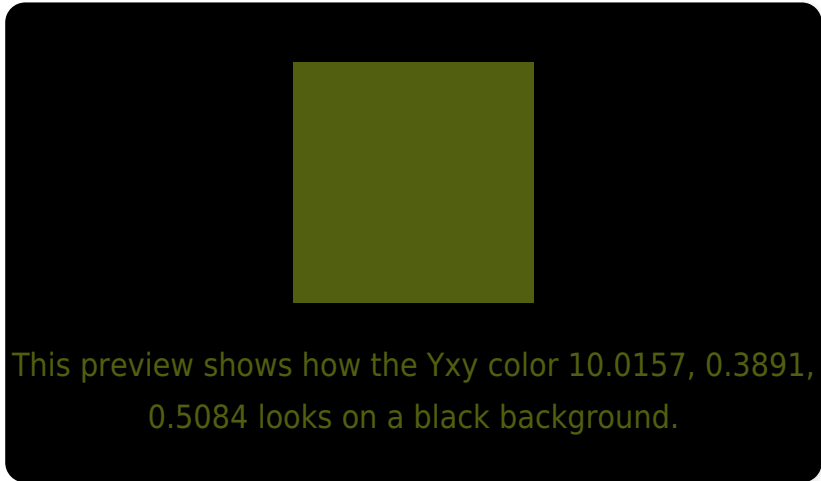
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

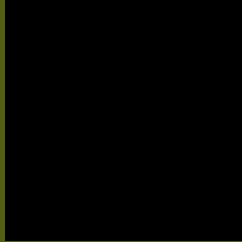
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0157, 0.3891, 0.5084

Background



This preview shows how black text looks on a background with the Yxy color 10.0157, 0.3891, 0.5084.



This preview shows how white text looks on a background with the Yxy color 10.0157, 0.3891, 0.5084.

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

10.0157, 0.3891, 0.5084

Protanopia

9.8858, 0.4314, 0.4788

Deuteranopia

9.9997, 0.4532, 0.4498



Tritanopia

9.9295, 0.3039, 0.3119

Trichromacy



Original Color

10.0157, 0.3891, 0.5084

Protanomaly

9.8438, 0.4150, 0.4898

Deuteranomaly

9.9620, 0.4289, 0.4714

Tritanomaly

9.8540, 0.3422, 0.3938

Monochromacy



Original Color

10.0157, 0.3891, 0.5084

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.9157, 0.3496, 0.4073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0157, 0.3891, 0.5084 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(82, 95, 16)` looks like.

```
.text, #text, p{  
    color:rgb(82, 95, 16)  
}
```

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(82, 95, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 95, 16) }
```

Border

The CSS property to change the border of an element to Yxy 10.0157, 0.3891, 0.5084 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(82, 95, 16) }
```

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

```
.border{ border-color:rgb(82, 95, 16) }
```

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

Here you see how a box with a 4 pixel rgb(82, 95, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 95, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 95, 16);  
box-shadow:4px 4px 4px 4px rgb(82, 95, 16)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0157, 0.3891, 0.5084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 95, 16) }
```

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

```
.background{ background-color: rgb(82, 95,  
16) }
```

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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