

Converting Colors

$Yxy(10.5762, 0.2493, 0.3993)$

Have a look what the booklet for
 $Y_{xy}(10.5762, 0.2493, 0.3993)$
contains.

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Color

$Y_{xy}(10.5900, 0.2496, 0.3998)$

Conversions

Conversions Part 1

Format	Color
Hex	106850
RGB	16, 104, 80
RGB Percent	6%, 41%, 31%
CMY	0.9375, 0.5921, 0.6862
CMYK	0.85, 0.00, 0.23, 0.59
HSL	164°, 73%, 24%
HSV	164°, 85%, 41%
XYZ	6.6115, 10.5900, 9.2868
YIQ	74.9520, -44.7440, -26.1200

Conversions

Conversions Part 2

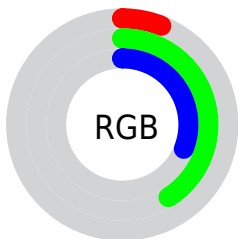
Format	Color
RYB	16, 67, 104
Decimal	1075280
CIELab	38.88, -30.93, 6.59
CIELCh	39, 31.619, 167.978
Yxy	10.5900, 0.2496, 0.3998
Android (android.graphics.Color)	4279265360 (0xFF106850)
YUV	74.9520, 2.4887, -51.7009
Hunter-Lab	32.5423, -20.6840, 5.8597

Details

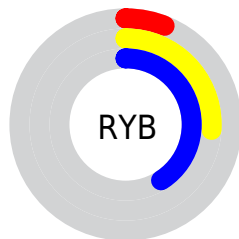
The Yxy color **10.5900, 0.2496, 0.3998** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.4649, 0.5195, 0.2868**, and the grayscale version is **7.0258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9397, 0.2670, 0.3804**, and **2.9557, 0.2534, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **10.4755, 0.2488, 0.4095**, and if you desaturate by 10%, it is **10.7477, 0.2519, 0.3901**.

Distribution



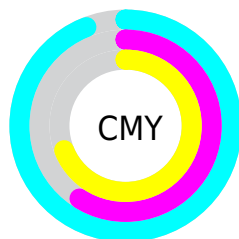
- Red (6%)
- Green (41%)
- Blue (31%)



- Red (6%)
- Yellow (26%)
- Blue (41%)



- Cyan (85%)
- Magenta (0%)
- Yellow (23%)
- Black (59%)




- Cyan (94%)
- Magenta (59%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5900, 0.2496, 0.3998 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 10.5900, 0.2496, 0.3998 by changing the saturation by 10% instead.


 10.5900, 0.2496,
0.3998


 10.5900, 0.2496,
0.3998

194.8327, 0.2893,
0.3545


 5.7919, 0.2351,
0.4171

 26.8995, 0.2668,
0.3798


 2.7189, 0.2122,
0.4454


 39.1796, 0.2724,
0.3735


 0.9868, 0.1011,
0.5555

 54.7225, 0.2767,
0.3686


 0.0000, 0.0000,
0.0000

 73.9126, 0.2802,
0.3646


 97.1343, 0.2831,
0.3614

 124.7719, 0.2855,

0.3587


 157.2099, 0.2875,
0.3564


 10.5900, 0.2496,
0.3998


 10.5900, 0.2496,
0.3998


 10.4755, 0.2488,
0.4095


 10.7477, 0.2519,
0.3901

 10.4186, 0.2485,
0.4147

 10.9567, 0.2560,
0.3806

 11.2223, 0.2618,
0.3713

 11.5487, 0.2689,
0.3623

 11.9397, 0.2774,
0.3539

■ 12.3990, 0.2868,
0.3459

■ 12.9298, 0.2970,
0.3386

■ 13.5352, 0.3076,
0.3319

■ 14.2179, 0.3186,
0.3258

Harmonies

Analogous

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



10.5900, 0.3151, 0.4537



10.5900, 0.2496, 0.3998



10.5900, 0.2043, 0.3232

Triad

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



10.5900, 0.2496, 0.3998



10.5900, 0.2351, 0.2191



10.5900, 0.4566, 0.3715

Complementary

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



10.5900, 0.2496, 0.3998



3.4649, 0.5195, 0.2868

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.



10.5900, 0.4326, 0.3178



10.5900, 0.2496, 0.3998



10.5900, 0.2966, 0.2349

Square

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



10.5900, 0.2496, 0.3998



10.5900, 0.1977, 0.2264



10.5900, 0.3707, 0.2698



10.5900, 0.4365, 0.4230

Rectangle

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



10.5900, 0.2496, 0.3998



10.5900, 0.1896, 0.2787



10.5900, 0.3707, 0.2698



10.5900, 0.4537, 0.3534

Sweetspot

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



10.5904, 0.2496, 0.3998



21.6624, 0.2858, 0.3467



10.4079, 0.3211, 0.5612



5.2323, 0.2833, 0.3487



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.



10.5904, 0.2496, 0.3998



18.2578, 0.2493, 0.4173



7.5943, 0.2142, 0.2732



3.1731, 0.3031, 0.3347



12.8366, 0.2488, 0.4158



66.7975, 0.2504, 0.4215

Inverse Universe

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



3.4649, 0.5195, 0.2868



5.2958, 0.5795, 0.2966



4.1839, 0.5547, 0.3624



2.8576, 0.3234, 0.3234



3.7282, 0.5754, 0.2943



19.3149, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 10.5900, 0.2496, 0.3998 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 10.5900, 0.2496, 0.3998 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 10.5900, 0.2496, 0.3998

Background



This preview shows how black text looks on a background with the Yxy color 10.5900, 0.2496, 0.3998.



This preview shows how white text looks on a background with the Yxy color 10.5900, 0.2496, 0.3998.

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

10.5900, 0.2496, 0.3998

Protanopia

10.5180, 0.3487, 0.3702

Deuteranopia

10.5031, 0.3442, 0.3384



Tritanopia

10.5721, 0.2325, 0.3076

Trichromacy



Original Color

10.5900, 0.2496, 0.3998

Protanomaly

10.1165, 0.2986, 0.3837

Deuteranomaly

9.9695, 0.2935, 0.3585

Tritanomaly

10.4504, 0.2376, 0.3371

Monochromacy



Original Color

10.5900, 0.2496, 0.3998

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.9757, 0.2763, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5900, 0.2496, 0.3998 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(16, 104, 80)` looks like.

```
.text, #text, p{  
    color:rgb(16, 104, 80)  
}
```

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(16, 104, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 104, 80) }
```

Border

The CSS property to change the border of an element to Yxy 10.5900, 0.2496, 0.3998 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(16, 104, 80) }
```

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

```
.border{ border-color:rgb(16, 104, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 104, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 104, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 104, 80);  
box-shadow:4px 4px 4px 4px rgb(16, 104,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5900, 0.2496, 0.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 104, 80) }
```

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

```
.background{ background-color: rgb(16, 104,  
80) }
```

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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