

Converting Colors

$Y_{xy}(9.8438, 0.4265, 0.5735)$

Have a look what the booklet for
Yxy(9.8438, 0.4265, 0.5735)
contains.

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Color

Yxy(10.0234, 0.3986, 0.5217)

Conversions

Conversions Part 1

Format	Color
Hex	535F00
RGB	83, 95, 0
RGB Percent	33%, 37%, 0%
CMY	0.6746, 0.6274, 1.0000
CMYK	0.13, 0.00, 1.00, 0.63
HSL	68°, 100%, 19%
HSV	68°, 100%, 37%
XYZ	7.6583, 10.0234, 1.5313
YIQ	80.5820, 23.3430, -32.0890

Conversions

Conversions Part 2

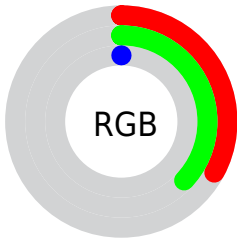
Format	Color
RYB	0, 95, 12
Decimal	5463808
CIELab	37.88, -16.30, 44.63
CIELCh	38, 47.513, 110.068
Yxy	10.0234, 0.3986, 0.5217
Android (android.graphics.Color)	4283653888 (0xFF535F00)
YUV	80.5820, -39.7269, 2.1206
Hunter-Lab	31.6598, -12.2266, 19.2942

Details

The Yxy color **10.0234, 0.3986, 0.5217** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **0.9050, 0.1583, 0.0646**, and the grayscale version is **8.2178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.6971, 0.3842, 0.4734**, and **2.5200, 0.3718, 0.5430** is the 20% darker color. If you saturate the color by 10%, you get **10.0238, 0.3986, 0.5217**, and if you desaturate by 10%, it is **10.0999, 0.3963, 0.5120**.

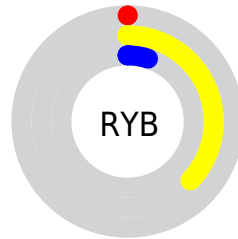
Distribution



Red (33%)

Green (37%)

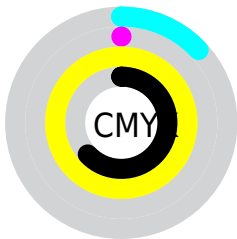
Blue (0%)



Red (0%)

Yellow (37%)

Blue (5%)

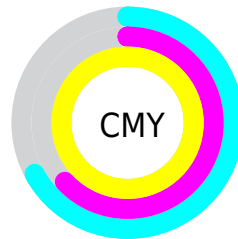


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (63%)



Cyan (67%)


Magenta (63%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0234, 0.3986, 0.5217 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 10.0234, 0.3986, 0.5217 by changing the saturation by 10% instead.


 10.0234, 0.3986,
0.5217


 10.0234, 0.3986,
0.5217


 190.8390, 0.3541,
0.4035


 5.4145, 0.4098,
0.5650

 25.8395, 0.3847,
0.4738

 2.4924, 0.3999,
0.6001


 37.8155, 0.3783,
0.4571

 0.8729, 0.3309,
0.6691

 53.0159, 0.3728,
0.4437

 0.0000, 0.0000,
0.0000


 71.8252, 0.3679,
0.4327

 94.6278, 0.3637,
0.4235

 121.8080, 0.3601,


0.4158

 153.7503, 0.3569,
0.4092


 10.0234, 0.3986,
0.5217

 10.0234, 0.3986,
0.5217


 10.0238, 0.3986,
0.5217

 10.0999, 0.3963,
0.5120

 10.1822, 0.3930,
0.5007

 10.2785, 0.3875,
0.4857

 10.3903, 0.3800,
0.4673

 10.5187, 0.3707,
0.4463

■ 10.6648, 0.3600,
0.4234

■ 10.8297, 0.3485,
0.3996

■ 11.0142, 0.3366,
0.3755

■ 11.2193, 0.3245,
0.3518

Harmonies

Analogous

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



10.0234, 0.4821, 0.4571



10.0234, 0.3986, 0.5217



10.0234, 0.2999, 0.5264

Triad

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



10.0234, 0.3986, 0.5217



10.0234, 0.1366, 0.2193



10.0234, 0.4069, 0.2468

Complementary

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



10.0234, 0.3986, 0.5217



0.9050, 0.1583, 0.0646

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.



10.0234, 0.2930, 0.1991



10.0234, 0.3986, 0.5217



10.0234, 0.1536, 0.1800

Square

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



10.0234, 0.3986, 0.5217



10.0234, 0.1533, 0.3058



10.0234, 0.2045, 0.1755



10.0234, 0.5000, 0.3105

Rectangle

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



10.0234, 0.3986, 0.5217



10.0234, 0.2369, 0.4731



10.0234, 0.2045, 0.1755



10.0234, 0.3683, 0.2286

Sweetspot

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



10.0239, 0.3986, 0.5217



18.5184, 0.3496, 0.4018



2.6748, 0.6224, 0.3439



4.4184, 0.3528, 0.4083



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.



10.0239, 0.3986, 0.5217



17.1374, 0.3980, 0.5222



8.5685, 0.3266, 0.5788



2.9542, 0.3232, 0.3493



14.2290, 0.3982, 0.5220



75.7508, 0.3968, 0.5231

Inverse Universe

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



0.9050, 0.1583, 0.0646



1.5208, 0.1566, 0.0636



1.7440, 0.2323, 0.1054



2.5295, 0.3017, 0.3081



1.2693, 0.1571, 0.0639



6.5547, 0.1540, 0.0622

Previews

White Background



This preview shows how the Yxy color 10.0234, 0.3986, 0.5217 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 10.0234, 0.3986, 0.5217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

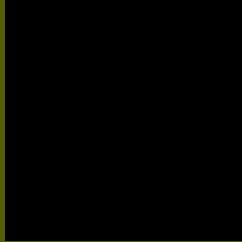
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0234, 0.3986, 0.5217

Background



This preview shows how black text looks on a background with the Yxy color 10.0234, 0.3986, 0.5217.



This preview shows how white text looks on a background with the Yxy color 10.0234, 0.3986, 0.5217.

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

10.0234, 0.3986, 0.5217

Protanopia

9.9115, 0.4405, 0.4884

Deuteranopia

10.0451, 0.4596, 0.4547



Tritanopia

9.9793, 0.3055, 0.3120

Trichromacy



Original Color

10.0234, 0.3986, 0.5217

Protanomaly

9.8619, 0.4246, 0.5011

Deuteranomaly

9.9915, 0.4371, 0.4796

Tritanomaly

9.8347, 0.3529, 0.4090

Monochromacy



Original Color

10.0234, 0.3986, 0.5217

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.6973, 0.3595, 0.4210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0234, 0.3986, 0.5217 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(83, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 95, 0)  
}
```

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(83, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.0234, 0.3986, 0.5217 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(83, 95, 0) }
```

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

```
.border{ border-color:rgb(83, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 95, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 95, 0); box-shadow:4px  
4px 4px 4px rgb(83, 95, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0234, 0.3986, 0.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 95, 0) }
```

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

```
.background{ background-color: rgb(83, 95,  
0) }
```

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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