

Converting Colors

$Y_{xy}(10.3659, 0.4123, 0.5402)$

Have a look what the booklet for
Yxy(10.3659, 0.4123, 0.5402)
contains.

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Color

Yxy(10.3442, 0.4023, 0.5188)

Conversions

Conversions Part 1

Format	Color
Hex	566000
RGB	86, 96, 0
RGB Percent	34%, 38%, 0%
CMY	0.6627, 0.6235, 1.0000
CMYK	0.10, 0.00, 1.00, 0.62
HSL	66°, 100%, 19%
HSV	66°, 100%, 38%
XYZ	8.0213, 10.3442, 1.5732
YIQ	82.0660, 24.8560, -31.9760

Conversions

Conversions Part 2

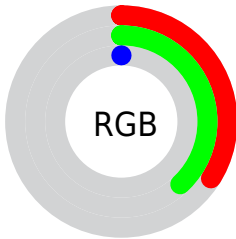
Format	Color
RYB	0, 96, 10
Decimal	5660672
CIELab	38.45, -15.39, 45.17
CIELCh	38, 47.724, 108.819
Yxy	10.3442, 0.4023, 0.5188
Android (android.graphics.Color)	4283850752 (0xFF566000)
YUV	82.0660, -40.4585, 3.4501
Hunter-Lab	32.1624, -11.7661, 19.6136

Details

The Yxy color **10.3442, 0.4023, 0.5188** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **0.9090, 0.1567, 0.0637**, and the grayscale version is **8.5314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3421, 0.3881, 0.4719**, and **2.6563, 0.3783, 0.5379** is the 20% darker color. If you saturate the color by 10%, you get **10.3447, 0.4023, 0.5188**, and if you desaturate by 10%, it is **10.4135, 0.3996, 0.5096**.

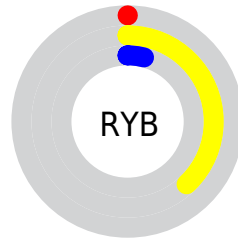
Distribution



Red (34%)

Green (38%)

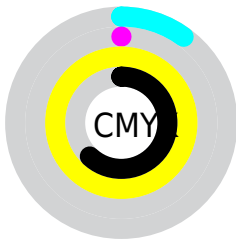
Blue (0%)



Red (0%)

Yellow (38%)

Blue (4%)

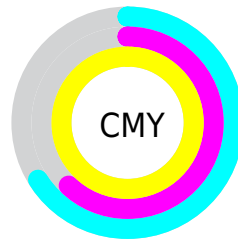


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (62%)



Cyan (66%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3442, 0.4023, 0.5188 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 10.3442, 0.4023, 0.5188 by changing the saturation by 10% instead.


 10.3442, 0.4023,
0.5188


 10.3442, 0.4023,
0.5188


 193.1113, 0.3557,
0.4034


 5.6278, 0.4136,
0.5594

 26.4409, 0.3875,
0.4725


 2.6201, 0.4063,
0.5937


 38.5900, 0.3808,
0.4562

 0.9368, 0.3541,
0.6459

 53.9854, 0.3750,
0.4430


 0.0000, 0.0000,
0.0000


 73.0116, 0.3700,
0.4321


 96.0528, 0.3657,
0.4231

 123.4936, 0.3619,


0.4155


 155.7183, 0.3586,
0.4090

 10.3442, 0.4023,
0.5188


 10.3442, 0.4023,
0.5188


 10.3447, 0.4023,
0.5188

 10.4135, 0.3996,
0.5096

 10.4886, 0.3960,
0.4988

 10.5777, 0.3902,
0.4843

 10.6823, 0.3823,
0.4663

 10.8036, 0.3726,
0.4457

■ 10.9427, 0.3615,
0.4231

■ 11.1007, 0.3496,
0.3995

■ 11.2785, 0.3373,
0.3755

■ 11.4770, 0.3249,
0.3518

Harmonies

Analogous

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



10.3442, 0.4842, 0.4536



10.3442, 0.4023, 0.5188



10.3442, 0.3042, 0.5268

Triad

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



10.3442, 0.4023, 0.5188



10.3442, 0.1374, 0.2225



10.3442, 0.4016, 0.2449

Complementary

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



10.3442, 0.4023, 0.5188



0.9090, 0.1567, 0.0637

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.



10.3442, 0.2888, 0.1982



10.3442, 0.4023, 0.5188



10.3442, 0.1530, 0.1816

Square

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



10.3442, 0.4023, 0.5188



10.3442, 0.1556, 0.3108



10.3442, 0.2022, 0.1758



10.3442, 0.4962, 0.3079

Rectangle

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



10.3442, 0.4023, 0.5188



10.3442, 0.2411, 0.4766



10.3442, 0.2022, 0.1758



10.3442, 0.3632, 0.2270

Sweetspot

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



10.3447, 0.4023, 0.5188



19.4189, 0.3508, 0.4016



2.6952, 0.6251, 0.3419



4.8010, 0.3543, 0.4086



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.3447, 0.4023, 0.5188



18.0960, 0.4018, 0.5192



8.7855, 0.3284, 0.5774



2.9569, 0.3235, 0.3492



14.3719, 0.4020, 0.5190



76.5545, 0.4009, 0.5199

Inverse Universe

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



0.9090, 0.1567, 0.0637



1.5650, 0.1551, 0.0628



1.7321, 0.2287, 0.1033



2.5271, 0.3014, 0.3081



1.2501, 0.1557, 0.0631



6.4794, 0.1529, 0.0616

Previews

White Background



This preview shows how the Yxy color 10.3442, 0.4023, 0.5188 looks on a white background.

Color Contrast Check

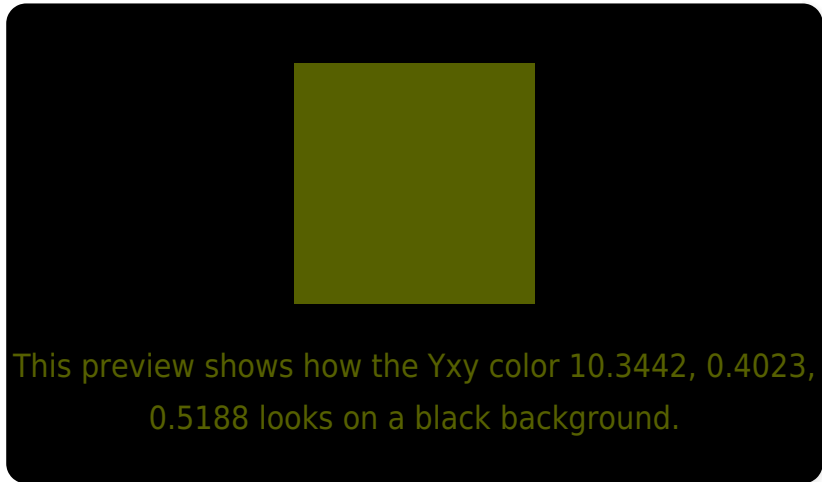
Large Text (above 18pt) WCAG AA ✓ Pass

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

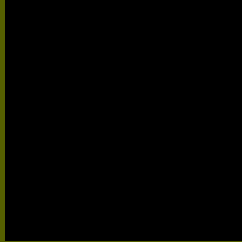
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3442, 0.4023, 0.5188

Background



This preview shows how black text looks on a background with the Yxy color 10.3442, 0.4023, 0.5188.



This preview shows how white text looks on a background with the Yxy color 10.3442, 0.4023, 0.5188.

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

10.3442, 0.4023, 0.5188

Protanopia

10.3070, 0.4384, 0.4901

Deuteranopia

10.2704, 0.4593, 0.4553



Tritanopia

10.3164, 0.3087, 0.3123

Trichromacy



Original Color

10.3442, 0.4023, 0.5188

Protanomaly

10.3155, 0.4245, 0.5011

Deuteranomaly

10.2773, 0.4387, 0.4786

Tritanomaly

10.1649, 0.3560, 0.4073

Monochromacy



Original Color

10.3442, 0.4023, 0.5188

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.9033, 0.3606, 0.4226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3442, 0.4023, 0.5188 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(86, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(86, 96, 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(86, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 96, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.3442, 0.4023, 0.5188 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(86, 96, 0) }
```

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

```
.border{ border-color:rgb(86, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 96, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 96, 0); box-shadow:4px  
4px 4px 4px rgb(86, 96, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3442, 0.4023, 0.5188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 96, 0) }
```

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

```
.background{ background-color: rgb(86, 96,  
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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