

Converting Colors

$Yxy(38.7407, 0.3864, 0.4795)$

Have a look what the booklet for
Yxy(38.7407, 0.3864, 0.4795)
contains.

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Color

Yxy(38.7230, 0.3862, 0.4796)

Conversions

Conversions Part 1

Format	Color
Hex	A2AF41
RGB	162, 175, 65
RGB Percent	64%, 69%, 25%
CMY	0.3648, 0.3137, 0.7450
CMYK	0.07, 0.00, 0.63, 0.31
HSL	67°, 46%, 47%
HSV	67°, 63%, 69%
XYZ	31.1819, 38.7230, 10.8353
YIQ	158.5730, 27.5620, -36.9660

Conversions

Conversions Part 2

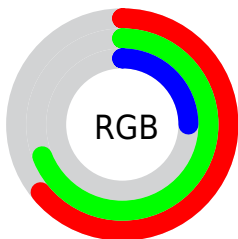
Format	Color
RYB	65, 175, 78
Decimal	10661697
CIELab	68.55, -19.59, 53.10
CIELCh	69, 56.595, 110.257
Yxy	38.7230, 0.3862, 0.4796
Android (android.graphics.Color)	4288851777 (0xFFA2AF41)
YUV	158.5730, -46.1315, 3.0055
Hunter-Lab	62.2278, -19.4537, 33.2357

Details

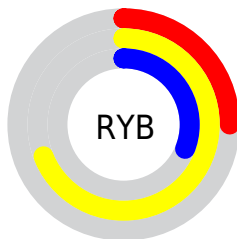
The Yxy color **38.7230, 0.3862, 0.4796** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.5012, 0.2034, 0.1354**, and the grayscale version is **34.6715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9617, 0.3757, 0.4510**, and **17.2961, 0.3968, 0.5217** is the 20% darker color. If you saturate the color by 10%, you get **38.3370, 0.3928, 0.4965**, and if you desaturate by 10%, it is **39.1790, 0.3773, 0.4592**.

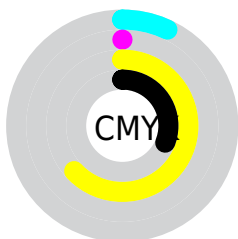
Distribution



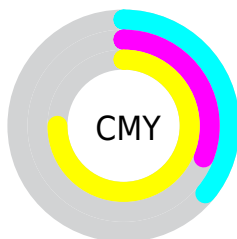
- Red (64%)
- Green (69%)
- Blue (25%)



- Red (25%)
- Yellow (69%)
- Blue (31%)



- Cyan (7%)
- Magenta (0%)
- Yellow (63%)
- Black (31%)




- Cyan (36%)
- Magenta (31%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7230, 0.3862, 0.4796 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 38.7230, 0.3862, 0.4796 by changing the saturation by 10% instead.


 38.7230, 0.3862,
0.4796


 38.7230, 0.3862,
0.4796


340.7114, 0.3532,
0.4022

 26.5443, 0.3921,
0.4982


 73.2150, 0.3757,
0.4517


 17.2313, 0.3978,
0.5211


 96.2970, 0.3712,
0.4410

 10.3995, 0.4018,
0.5489


 123.7823, 0.3673,
0.4320

 5.6647, 0.4076,
0.5924

 156.0553, 0.3638,
0.4243

 2.6423, 0.3837,
0.6163

 193.5003, 0.3607,
0.4177

 0.9480, 0.3077,
0.6923

236.5017, 0.3579,

 0.0000, 0.0000,

0.4118

0.0000

285.4439, 0.3554,
0.4067

■ 38.7230, 0.3862,
0.4796

■ 38.7230, 0.3862,
0.4796

■ 38.3370, 0.3928,
0.4965

■ 39.1790, 0.3773,
0.4592

■ 38.0096, 0.3970,
0.5092

■ 39.7049, 0.3666,
0.4360

■ 37.7353, 0.3986,
0.5175

■ 40.3072, 0.3547,
0.4112

■ 37.5607, 0.3987,
0.5216

■ 40.9902, 0.3420,
0.3857

■ 41.7579, 0.3291,
0.3604

■ 42.6140, 0.3163,
0.3358

■ 43.5620, 0.3039,
0.3124

■ 44.6051, 0.2922,
0.2906

■ 45.7465, 0.2812,
0.2705

Harmonies

Analogous

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



38.7230, 0.4499, 0.4379



38.7230, 0.3862, 0.4796



38.7230, 0.3074, 0.4736

Triad

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



38.7230, 0.3862, 0.4796



38.7230, 0.1703, 0.2452



38.7230, 0.3860, 0.2649

Complementary

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



38.7230, 0.3862, 0.4796



8.5012, 0.2034, 0.1354

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.



38.7230, 0.2995, 0.2247



38.7230, 0.3862, 0.4796



38.7230, 0.1845, 0.2103

Square

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



38.7230, 0.3862, 0.4796



38.7230, 0.1862, 0.3142



38.7230, 0.2281, 0.2051



38.7230, 0.4559, 0.3189

Rectangle

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



38.7230, 0.3862, 0.4796



38.7230, 0.2566, 0.4337



38.7230, 0.2281, 0.2051



38.7230, 0.3572, 0.2496

Sweetspot

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



38.7248, 0.3862, 0.4796



73.8689, 0.3375, 0.3768



14.9256, 0.4961, 0.3468



16.3351, 0.3411, 0.3839



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.7248, 0.3862, 0.4796



68.4380, 0.3946, 0.5014



34.1829, 0.3340, 0.5104



9.2813, 0.3245, 0.3515



26.9127, 0.3990, 0.5214



0.7620, 0.4055, 0.5162

Inverse Universe

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



8.5012, 0.2034, 0.1354



10.0174, 0.1800, 0.0982



11.8534, 0.2642, 0.1624



7.8010, 0.3003, 0.3057



2.3434, 0.1551, 0.0628



0.0792, 0.1741, 0.0733

Previews

White Background



This preview shows how the Yxy color 38.7230, 0.3862, 0.4796 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.7230, 0.3862, 0.4796 looks on a black 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 ✓ Pass

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

Yxy 38.7230, 0.3862, 0.4796

Background



This preview shows how black text looks on a background with the Yxy color 38.7230, 0.3862, 0.4796.



This preview shows how white text looks on a background with the Yxy color 38.7230, 0.3862, 0.4796.

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

38.7230, 0.3862, 0.4796

Protanopia

38.4354, 0.4179, 0.4593

Deuteranopia

38.5039, 0.4414, 0.4331



Tritanopia

38.6095, 0.3099, 0.3112

Trichromacy



Original Color

38.7230, 0.3862, 0.4796

Protanomaly

38.4667, 0.4057, 0.4668

Deuteranomaly

38.4040, 0.4215, 0.4498

Tritanomaly

38.2179, 0.3417, 0.3752

Monochromacy



Original Color

38.7230, 0.3862, 0.4796

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.8645, 0.3434, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7230, 0.3862, 0.4796 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(162, 175, 65)` looks like.

```
.text, #text, p{  
    color:rgb(162, 175, 65)  
}
```

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(162, 175, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 175, 65) }
```

Border

The CSS property to change the border of an element to Yxy 38.7230, 0.3862, 0.4796 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(162, 175, 65) }
```

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

```
.border{ border-color:rgb(162, 175, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 175, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 175, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 175, 65);  
box-shadow:4px 4px 4px 4px rgb(162, 175,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7230, 0.3862, 0.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 175, 65) }
```

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

```
.background{ background-color: rgb(162,  
175, 65) }
```

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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