

Converting Colors

$Y_{xy}(37.9720, 0.3894, 0.4264)$

Have a look what the booklet for
Yxy(37.9720, 0.3894, 0.4264)
contains.

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Color

Yxy(37.8020, 0.3895, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	B4A65F
RGB	180, 166, 95
RGB Percent	71%, 65%, 37%
CMY	0.2942, 0.3490, 0.6274
CMYK	0.00, 0.08, 0.47, 0.29
HSL	50°, 36%, 54%
HSV	50°, 47%, 71%
XYZ	34.5226, 37.8020, 16.3085
YIQ	162.0920, 31.1350, -19.1130

Conversions

Conversions Part 2

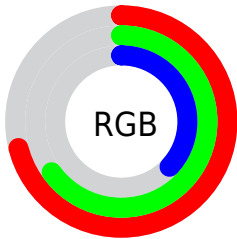
Format	Color
RYB	112, 180, 95
Decimal	11839071
CIELab	67.87, -4.78, 38.40
CIELCh	68, 38.694, 97.100
Yxy	37.8020, 0.3895, 0.4265
Android (android.graphics.Color)	4290029151 (0xFFB4A65F)
YUV	162.0920, -33.0764, 15.7053
Hunter-Lab	61.4833, -7.3690, 27.3116

Details

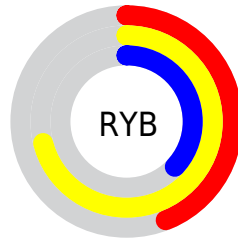
The Yxy color **37.8020, 0.3895, 0.4265** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.6663, 0.2289, 0.2070**, and the grayscale version is **36.3247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8240, 0.3756, 0.4084**, and **16.5919, 0.4094, 0.4538** is the 20% darker color. If you saturate the color by 10%, you get **36.4490, 0.4056, 0.4444**, and if you desaturate by 10%, it is **39.2589, 0.3727, 0.4066**.

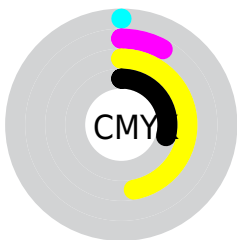
Distribution



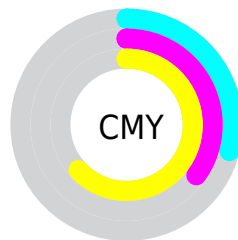
- Red (71%)
- Green (65%)
- Blue (37%)



- Red (44%)
- Yellow (71%)
- Blue (37%)



- Cyan (0%)
- Magenta (8%)
- Yellow (47%)
- Black (29%)





- Cyan (29%)
- Magenta (35%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8020, 0.3895, 0.4265 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 37.8020, 0.3895, 0.4265 by changing the saturation by 10% instead.


 37.8020, 0.3895,
0.4265


 37.8020, 0.3895,
0.4265


336.7698, 0.3513,
0.3768


 25.8291, 0.3985,
0.4387


 71.8046, 0.3759,
0.4085


 16.6958, 0.4094,
0.4540


 94.6030, 0.3707,
0.4016

 10.0178, 0.4226,
0.4733


 121.7786, 0.3663,
0.3959

 5.4108, 0.4390,
0.4987

 153.7160, 0.3624,
0.3910

 2.4902, 0.4624,
0.5376

190.7993, 0.3591,
0.3867

 0.8717, 0.4495,
0.5505

233.4132, 0.3562,

 0.0000, 0.0000,

0.3830

0.0000

281.9419, 0.3536,
0.3797

■ 37.8020, 0.3895,
0.4265

■ 37.8020, 0.3895,
0.4265

■ 36.4490, 0.4056,
0.4444

■ 39.2589, 0.3727,
0.4066

■ 35.1892, 0.4202,
0.4593

■ 40.8195, 0.3558,
0.3856

■ 34.0183, 0.4327,
0.4703

■ 42.4899, 0.3392,
0.3644

■ 32.9291, 0.4426,
0.4769

■ 44.2744, 0.3235,
0.3435

■ 31.9113, 0.4498,
0.4793

■ 46.1771, 0.3087,
0.3235

■ 31.6344, 0.4516,
0.4796

■ 48.2015, 0.2951,
0.3046

■ 50.3514, 0.2826,
0.2870

■ 52.6300, 0.2713,
0.2707

■ 54.9104, 0.2622,
0.2578

Harmonies

Analogous

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



37.8020, 0.4229, 0.3937



37.8020, 0.3895, 0.4265



37.8020, 0.3371, 0.4333

Triad

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



37.8020, 0.3895, 0.4265



37.8020, 0.2118, 0.2913



37.8020, 0.3382, 0.2684

Complementary

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



37.8020, 0.3895, 0.4265



16.6663, 0.2289, 0.2070

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.



37.8020, 0.2802, 0.2444



37.8020, 0.3895, 0.4265



37.8020, 0.2120, 0.2535

Square

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



37.8020, 0.3895, 0.4265



37.8020, 0.2357, 0.3473



37.8020, 0.2357, 0.2383



37.8020, 0.3933, 0.3057

Rectangle

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



37.8020, 0.3895, 0.4265



37.8020, 0.2990, 0.4173



37.8020, 0.2357, 0.2383



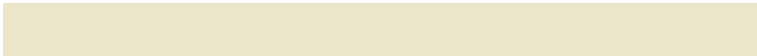
37.8020, 0.3182, 0.2586

Sweetspot

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



37.8038, 0.3895, 0.4265



77.9944, 0.3345, 0.3581



18.9983, 0.4175, 0.3088



16.7115, 0.3379, 0.3626



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.8038, 0.3895, 0.4265



65.9193, 0.4068, 0.4456



40.1066, 0.3541, 0.4542



9.6639, 0.3267, 0.3479



22.1661, 0.4511, 0.4800



0.7607, 0.4409, 0.4881

Inverse Universe

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



16.6663, 0.2289, 0.2070



22.8702, 0.2081, 0.1739



15.7197, 0.2525, 0.1931



8.4486, 0.2985, 0.3094



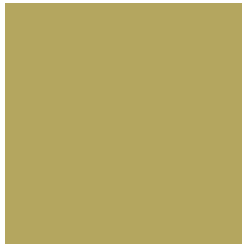
3.0025, 0.1545, 0.0760



0.1634, 0.1668, 0.1204

Previews

White Background



This preview shows how the Yxy color 37.8020, 0.3895, 0.4265 looks on a white background.

Color Contrast Check

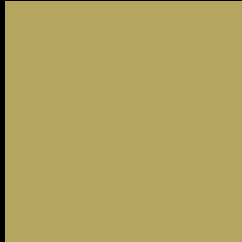
Large Text (above 18pt) WCAG AA × Fail

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 37.8020, 0.3895, 0.4265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

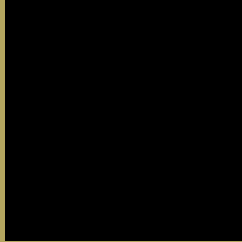
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8020, 0.3895, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 37.8020, 0.3895, 0.4265.



This preview shows how white text looks on a background with the Yxy color 37.8020, 0.3895, 0.4265.

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

37.8020, 0.3895, 0.4265

Protanopia

37.5602, 0.3912, 0.4249

Deuteranopia

37.7343, 0.4147, 0.4067



Tritanopia

37.7076, 0.3311, 0.3117

Trichromacy



Original Color

37.8020, 0.3895, 0.4265

Protanomaly

37.5602, 0.3912, 0.4249

Deuteranomaly

37.6717, 0.4053, 0.4144

Tritanomaly

37.4391, 0.3534, 0.3525

Monochromacy



Original Color

37.8020, 0.3895, 0.4265

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.4644, 0.3412, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8020, 0.3895, 0.4265 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(180, 166, 95)` looks like.

```
.text, #text, p{  
    color:rgb(180, 166, 95)  
}
```

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(180, 166, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 166, 95) }
```

Border

The CSS property to change the border of an element to Yxy 37.8020, 0.3895, 0.4265 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(180, 166, 95) }
```

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

```
.border{ border-color:rgb(180, 166, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 166, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 166, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 166, 95);  
box-shadow:4px 4px 4px 4px rgb(180, 166,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8020, 0.3895, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 166, 95) }
```

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

```
.background{ background-color: rgb(180,  
166, 95) }
```

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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