

Converting Colors

$Yxy(40.6822, 0.4062, 0.4428)$

Have a look what the booklet for
Yxy(40.6822, 0.4062, 0.4428)
contains.

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Color

Yxy(40.6822, 0.4062, 0.4428)

Conversions

Conversions Part 1

Format	Color
Hex	BEAB52
RGB	190, 171, 82
RGB Percent	75%, 67%, 32%
CMY	0.2550, 0.3294, 0.6783
CMYK	0.00, 0.10, 0.57, 0.25
HSL	49°, 45%, 53%
HSV	49°, 57%, 75%
XYZ	37.3196, 40.6822, 13.8731
YIQ	166.5350, 39.8930, -23.6510

Conversions

Conversions Part 2

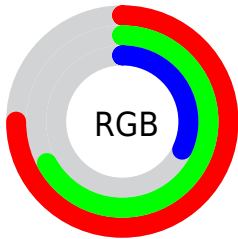
Format	Color
RYB	105, 190, 82
Decimal	12495698
CIELab	69.95, -4.36, 47.55
CIELCh	70, 47.754, 95.233
Yxy	40.6822, 0.4062, 0.4428
Android (android.graphics.Color)	4290685778 (0xFFBEAB52)
YUV	166.5350, -41.6758, 20.5788
Hunter-Lab	63.7826, -7.1781, 31.7519

Details

The Yxy color **40.6822, 0.4062, 0.4428** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.8208, 0.2102, 0.1788**, and the grayscale version is **38.5990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0704, 0.3905, 0.4230**, and **18.3609, 0.4276, 0.4708** is the 20% darker color. If you saturate the color by 10%, you get **39.1877, 0.4213, 0.4576**, and if you desaturate by 10%, it is **42.2925, 0.3897, 0.4250**.

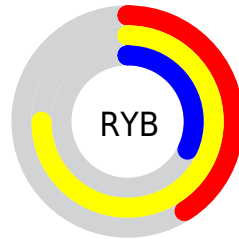
Distribution



Red (75%)

Green (67%)

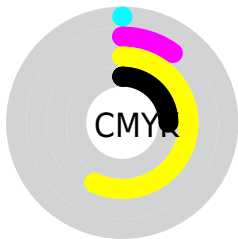
Blue (32%)



Red (41%)

Yellow (75%)

Blue (32%)

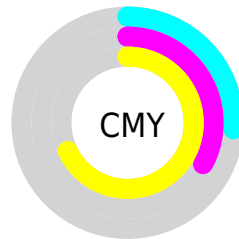


Cyan (0%)

Magenta (10%)

Yellow (57%)

Black (25%)



Cyan (26%)


Magenta (33%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6822, 0.4062, 0.4428 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 40.6822, 0.4062, 0.4428 by changing the saturation by 10% instead.


 40.6822, 0.4062,
0.4428

 40.6822, 0.4062,
0.4428


348.9906, 0.3611,
0.3865


 28.0708, 0.4161,
0.4557


 76.2012, 0.3906,
0.4230


 18.3791, 0.4277,
0.4713


 99.8777, 0.3845,
0.4153


 11.2225, 0.4407,
0.4898


 128.0113, 0.3792,
0.4087

 6.2167, 0.4595,
0.5168

 160.9865, 0.3746,
0.4031

 2.9773, 0.4660,
0.5340

 199.1876, 0.3706,
0.3981

 1.1199, 0.4576,
0.5424

242.9991, 0.3671,

 0.0000, 0.0000,

0.3938

0.0000

292.8053, 0.3639,
0.3900

■ 40.6822, 0.4062,
0.4428

■ 40.6822, 0.4062,
0.4428

■ 39.1877, 0.4213,
0.4576

■ 42.2925, 0.3897,
0.4250

■ 37.7963, 0.4342,
0.4686

■ 44.0190, 0.3726,
0.4052

■ 36.5016, 0.4446,
0.4752

■ 45.8694, 0.3555,
0.3843

■ 35.2928, 0.4521,
0.4773

■ 47.8489, 0.3388,
0.3633

■ 34.9204, 0.4543,
0.4775

■ 49.9624, 0.3229,
0.3426

■ 52.2143, 0.3081,
0.3228

■ 54.6091, 0.2945,
0.3042

■ 57.1507, 0.2821,
0.2868

■ 59.8431, 0.2708,
0.2707

Harmonies

Analogous

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



40.6822, 0.4455, 0.4003



40.6822, 0.4062, 0.4428



40.6822, 0.3443, 0.4568

Triad

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



40.6822, 0.4062, 0.4428



40.6822, 0.1947, 0.2860



40.6822, 0.3382, 0.2553

Complementary

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



40.6822, 0.4062, 0.4428



14.8208, 0.2102, 0.1788

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.



40.6822, 0.2695, 0.2287



40.6822, 0.4062, 0.4428



40.6822, 0.1936, 0.2406

Square

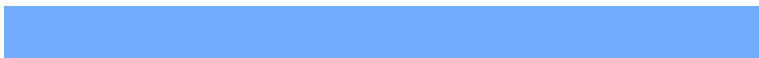
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.6822, 0.4062, 0.4428



40.6822, 0.2234, 0.3550



40.6822, 0.2191, 0.2225



40.6822, 0.4063, 0.2975

Rectangle

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



40.6822, 0.4062, 0.4428



40.6822, 0.2991, 0.4402



40.6822, 0.2191, 0.2225



40.6822, 0.3142, 0.2444

Sweetspot

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



40.6841, 0.4062, 0.4428



86.5556, 0.3395, 0.3642



17.9400, 0.4503, 0.3032



18.8428, 0.3429, 0.3685



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.6841, 0.4062, 0.4428



70.4342, 0.4244, 0.4605



44.4790, 0.3618, 0.4788



10.8274, 0.3268, 0.3478



23.3263, 0.4537, 0.4779



0.9899, 0.4441, 0.4855

Inverse Universe

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



14.8208, 0.2102, 0.1788



19.2835, 0.1884, 0.1424



13.4836, 0.2346, 0.1619



9.4893, 0.2984, 0.3095



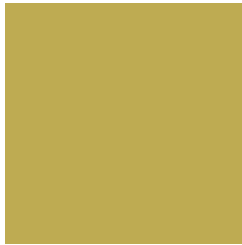
3.2928, 0.1548, 0.0774



0.2136, 0.1662, 0.1181

Previews

White Background



This preview shows how the Yxy color 40.6822, 0.4062, 0.4428 looks on a white background.

Color Contrast Check

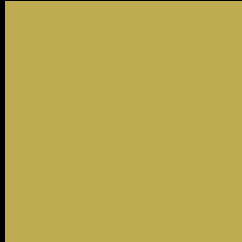
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Xy color 40.6822, 0.4062, 0.4428 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 40.6822, 0.4062, 0.4428

Background



This preview shows how black text looks on a background with the Yxy color 40.6822, 0.4062, 0.4428.



This preview shows how white text looks on a background with the Yxy color 40.6822, 0.4062, 0.4428.

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

40.6822, 0.4062, 0.4428

Protanopia

40.5538, 0.4052, 0.4433

Deuteranopia

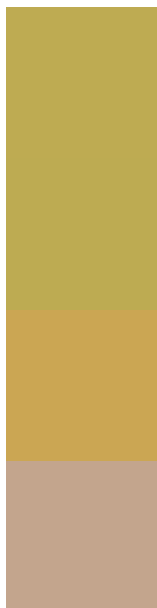
40.6834, 0.4316, 0.4225



Tritanopia

40.5515, 0.3365, 0.3124

Trichromacy



Original Color

40.6822, 0.4062, 0.4428

Protanomaly

40.5538, 0.4052, 0.4433

Deuteranomaly

40.5935, 0.4222, 0.4303

Tritanomaly

40.4355, 0.3638, 0.3608

Monochromacy



Original Color

40.6822, 0.4062, 0.4428

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.8968, 0.3476, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6822, 0.4062, 0.4428 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(190, 171, 82)` looks like.

```
.text, #text, p{  
    color:rgb(190, 171, 82)  
}
```

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(190, 171, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 171, 82) }
```

Border

The CSS property to change the border of an element to Yxy 40.6822, 0.4062, 0.4428 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(190, 171, 82) }
```

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

```
.border{ border-color:rgb(190, 171, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 171, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 171, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 171, 82);  
box-shadow:4px 4px 4px 4px rgb(190, 171,  
82) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 40.6822, 0.4062, 0.4428$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 171, 82) }
```

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

```
.background{ background-color: rgb(190,  
171, 82) }
```

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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