

Converting Colors

Yxy(44.7912, 0.4187, 0.4699)

Have a look what the booklet for
Yxy(44.7912, 0.4187, 0.4699)
contains.

Yxy(44.6940, 0.4187, 0.4693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.6940, 0.4187, 0.4693)

Conversions

Conversions Part 1

Format	Color
Hex	C4B43B
RGB	196, 180, 59
RGB Percent	77%, 71%, 23%
CMY	0.2314, 0.2941, 0.7685
CMYK	0.00, 0.08, 0.70, 0.23
HSL	53°, 54%, 50%
HSV	53°, 70%, 77%
XYZ	39.8751, 44.6940, 10.6664
YIQ	170.9900, 48.3770, -34.2390

Conversions

Conversions Part 2

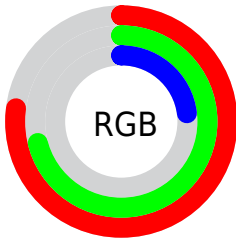
Format	Color
RYB	77, 196, 59
Decimal	12891195
CIELab	72.69, -7.98, 60.72
CIELCh	73, 61.239, 97.488
Yxy	44.6940, 0.4187, 0.4693
Android (android.graphics.Color)	4291081275 (0xFFC4B43B)
YUV	170.9900, -55.2111, 21.9338
Hunter-Lab	66.8536, -10.5267, 37.3379

Details

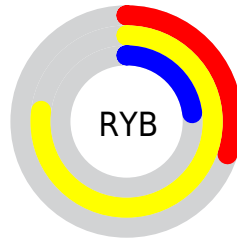
The Yxy color **44.6940, 0.4187, 0.4693** is a dark color, and the websafe version is hex **999900**. The color can be described as middle muted orange. A complement of this color would be **9.9505, 0.1840, 0.1282**, and the grayscale version is **40.9861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4432, 0.4027, 0.4474**, and **20.9273, 0.4335, 0.4940** is the 20% darker color. If you saturate the color by 10%, you get **43.6132, 0.4289, 0.4796**, and if you desaturate by 10%, it is **45.8706, 0.4061, 0.4549**.

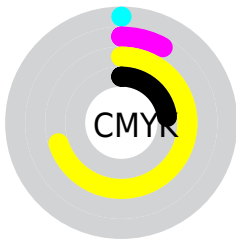
Distribution



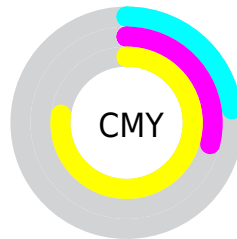
- Red (77%)
- Green (71%)
- Blue (23%)



- Red (30%)
- Yellow (77%)
- Blue (23%)



- Cyan (0%)
- Magenta (8%)
- Yellow (70%)
- Black (23%)




- Cyan (23%)
- Magenta (29%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6940, 0.4187, 0.4693 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 44.6940, 0.4187, 0.4693 by changing the saturation by 10% instead.

 44.6940, 0.4187,
0.4693


 44.6940, 0.4187,
0.4693


365.5328, 0.3707,
0.4024

 31.2165, 0.4278,
0.4834


 82.2610, 0.4032,
0.4466

 20.7637, 0.4375,
0.4996


 107.1193, 0.3967,
0.4376


 12.9514, 0.4467,
0.5174


 136.5400, 0.3910,
0.4297

 7.3951, 0.4583,
0.5417

 170.9074, 0.3860,
0.4228

 3.7104, 0.4507,
0.5493

 210.6061, 0.3815,
0.4168

 1.5129, 0.4376,
0.5624

256.0202, 0.3775,

 0.2978, 0.2286,

0.4114

0.7714

307.5344, 0.3740,
0.4067

0.0000, 0.0000,
0.0000

44.6940, 0.4187,
0.4693

44.6940, 0.4187,
0.4693

43.6132, 0.4289,
0.4796

45.8706, 0.4061,
0.4549

42.6127, 0.4364,
0.4855

47.1444, 0.3916,
0.4370

41.6774, 0.4415,
0.4876

48.5243, 0.3759,
0.4167

41.6665, 0.4415,
0.4876

50.0164, 0.3596,
0.3950

51.6264, 0.3434,
0.3726

■ 53.3593, 0.3276,
0.3503

■ 55.2201, 0.3125,
0.3288

■ 57.2133, 0.2985,
0.3083

■ 59.3432, 0.2856,
0.2891

Harmonies

Analogous

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



44.6940, 0.4718, 0.4152



44.6940, 0.4187, 0.4693



44.6940, 0.3418, 0.4891

Triad

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



44.6940, 0.4187, 0.4693



44.6940, 0.1696, 0.2683



44.6940, 0.3500, 0.2434

Complementary

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



44.6940, 0.4187, 0.4693



9.9505, 0.1840, 0.1282

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.



44.6940, 0.2646, 0.2106



44.6940, 0.4187, 0.4693



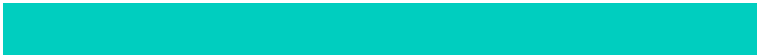
44.6940, 0.1714, 0.2181

Square

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



44.6940, 0.4187, 0.4693



44.6940, 0.1996, 0.3529



44.6940, 0.2031, 0.2008



44.6940, 0.4342, 0.2936

Rectangle

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



44.6940, 0.4187, 0.4693



44.6940, 0.2872, 0.4670



44.6940, 0.2031, 0.2008



44.6940, 0.3200, 0.2302

Sweetspot

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



44.6961, 0.4187, 0.4693



93.0947, 0.3457, 0.3758



15.4059, 0.5158, 0.3095



19.7482, 0.3502, 0.3821



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.6961, 0.4187, 0.4693



78.0105, 0.4333, 0.4834



45.8835, 0.3613, 0.5126



11.5511, 0.3268, 0.3492



26.8563, 0.4412, 0.4879



1.2184, 0.4357, 0.4923

Inverse Universe

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



9.9505, 0.1840, 0.1282



11.5608, 0.1630, 0.0902



10.3834, 0.2191, 0.1274



9.9331, 0.2983, 0.3080



3.0183, 0.1526, 0.0695



0.1946, 0.1606, 0.0981

Previews

White Background



This preview shows how the Yxy color 44.6940, 0.4187, 0.4693 looks on a white background.

Color Contrast Check

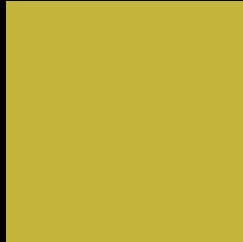
Large Text (above 18pt) WCAG AA × Fail

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 44.6940, 0.4187, 0.4693 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 44.6940, 0.4187, 0.4693

Background



This preview shows how black text looks on a background with the Yxy color 44.6940, 0.4187, 0.4693.



This preview shows how white text looks on a background with the Yxy color 44.6940, 0.4187, 0.4693.

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

44.6940, 0.4187, 0.4693

Protanopia

44.8353, 0.4233, 0.4660

Deuteranopia

44.4228, 0.4515, 0.4406



Tritanopia

44.4633, 0.3365, 0.3130

Trichromacy



Original Color

44.6940, 0.4187, 0.4693

Protanomaly

44.6981, 0.4224, 0.4666

Deuteranomaly

44.3811, 0.4392, 0.4507

Tritanomaly

43.8677, 0.3718, 0.3739

Monochromacy



Original Color

44.6940, 0.4187, 0.4693

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.5871, 0.3560, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6940, 0.4187, 0.4693 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(196, 180, 59)` looks like.

```
.text, #text, p{  
    color:rgb(196, 180, 59)  
}
```

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(196, 180, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 180, 59) }
```

Border

The CSS property to change the border of an element to Yxy 44.6940, 0.4187, 0.4693 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(196, 180, 59) }
```

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

```
.border{ border-color:rgb(196, 180, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 180, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 180, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 180, 59);  
box-shadow:4px 4px 4px 4px rgb(196, 180,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6940, 0.4187, 0.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 180, 59) }
```

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

```
.background{ background-color: rgb(196,  
180, 59) }
```

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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