

Converting Colors

$Y_{xy}(30.5973, 0.4596, 0.4516)$

Have a look what the booklet for
Yxy(30.5973, 0.4596, 0.4516)
contains.

Yxy(30.5973, 0.4596, 0.4516)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.5973, 0.4596, 0.4516)

Conversions

Conversions Part 1

Format	Color
Hex	BD8F25
RGB	189, 143, 37
RGB Percent	74%, 56%, 15%
CMY	0.2589, 0.4392, 0.8548
CMYK	0.00, 0.24, 0.80, 0.26
HSL	42°, 67%, 44%
HSV	42°, 80%, 74%
XYZ	31.1393, 30.5973, 6.0165
YIQ	144.6700, 61.4420, -23.2140

Conversions

Conversions Part 2

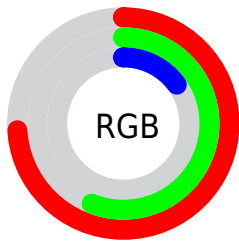
Format	Color
RYB	103, 189, 37
Decimal	12422949
CIELab	62.17, 7.77, 58.59
CIElCh	62, 59.105, 82.451
Yxy	30.5973, 0.4596, 0.4516
Android (android.graphics.Color)	4290613029 (0xFFBD8F25)
YUV	144.6700, -53.0813, 38.8774
Hunter-Lab	55.3148, 3.6851, 32.2715

Details

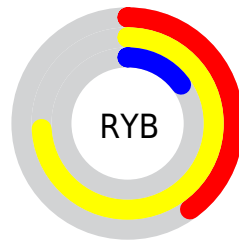
The Yxy color **30.5973, 0.4596, 0.4516** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.2520, 0.1793, 0.1410**, and the grayscale version is **28.3765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3749, 0.4353, 0.4330**, and **12.6540, 0.4797, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **28.8361, 0.4739, 0.4543**, and if you desaturate by 10%, it is **32.5105, 0.4426, 0.4441**.

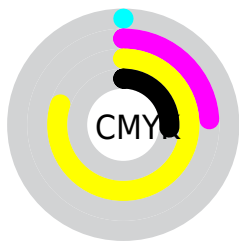
Distribution



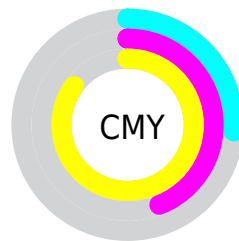
- Red (74%)
- Green (56%)
- Blue (15%)



- Red (40%)
- Yellow (74%)
- Blue (15%)



- Cyan (0%)
- Magenta (24%)
- Yellow (80%)
- Black (26%)



- Cyan (26%)
- Magenta (44%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5973, 0.4596, 0.4516 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 30.5973, 0.4596, 0.4516 by changing the saturation by 10% instead.

 30.5973, 0.4596,
0.4516


 30.5973, 0.4596,
0.4516


304.6788, 0.3872,
0.3946

 20.2924, 0.4747,
0.4619


 60.6055, 0.4349,
0.4333


 12.6078, 0.4913,
0.4717


 81.0776, 0.4250,
0.4255

 7.1590, 0.5148,
0.4852


 105.7075, 0.4165,
0.4187

 3.5617, 0.5219,
0.4781

 134.8797, 0.4090,
0.4127

 1.4316, 0.5337,
0.4663

 168.9785, 0.4025,
0.4073

 0.2398, 0.6352,
0.3648

 208.3884, 0.3968,

 0.0000, 0.0000,

0.4026

0.0000

253.4937, 0.3917,
0.3984

■ 30.5973, 0.4596,
0.4516

■ 30.5973, 0.4596,
0.4516

■ 28.8361, 0.4739,
0.4543

■ 32.5105, 0.4426,
0.4441

■ 27.2683, 0.4852,
0.4530

■ 34.5806, 0.4236,
0.4324

■ 36.8175, 0.4037,
0.4176

■ 39.2285, 0.3837,
0.4008

■ 41.8205, 0.3642,
0.3828

■ 44.5996, 0.3459,
0.3646

■ 47.5716, 0.3289,
0.3468

■ 50.7421, 0.3133,
0.3297

■ 54.1163, 0.2993,
0.3136

Harmonies

Analogous

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



30.5973, 0.4975, 0.3859



30.5973, 0.4596, 0.4516



30.5973, 0.3858, 0.4998

Triad

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



30.5973, 0.4596, 0.4516



30.5973, 0.1698, 0.3038



30.5973, 0.3040, 0.2164

Complementary

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



30.5973, 0.4596, 0.4516



10.2520, 0.1793, 0.1410

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.



30.5973, 0.2230, 0.1932



30.5973, 0.4596, 0.4516



30.5973, 0.1559, 0.2303

Square

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



30.5973, 0.4596, 0.4516



30.5973, 0.2190, 0.4086



30.5973, 0.1737, 0.1960



30.5973, 0.4019, 0.2614

Rectangle

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



30.5973, 0.4596, 0.4516



30.5973, 0.3276, 0.5030



30.5973, 0.1737, 0.1960



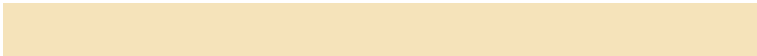
30.5973, 0.2739, 0.2060

Sweetspot

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



30.5988, 0.4596, 0.4516



77.8770, 0.3530, 0.3719



12.7990, 0.5068, 0.2785



16.3674, 0.3596, 0.3784



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.5988, 0.4596, 0.4516



49.5582, 0.4821, 0.4532



44.1100, 0.3872, 0.5137



10.6200, 0.3271, 0.3449



18.4905, 0.4841, 0.4538



0.8342, 0.4652, 0.4689

Inverse Universe

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



10.2520, 0.1793, 0.1410



12.5109, 0.1631, 0.1046



6.1176, 0.1799, 0.0916



9.6834, 0.2984, 0.3125



4.5717, 0.1618, 0.1023



0.2978, 0.1758, 0.1528

Previews

White Background



This preview shows how the Yxy color 30.5973, 0.4596, 0.4516 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 30.5973, 0.4596, 0.4516 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 30.5973, 0.4596, 0.4516

Background



This preview shows how black text looks on a background with the Yxy color 30.5973, 0.4596, 0.4516.



This preview shows how white text looks on a background with the Yxy color 30.5973, 0.4596, 0.4516.

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

30.5973, 0.4596, 0.4516

Protanopia

30.7147, 0.4283, 0.4733

Deuteranopia

30.5973, 0.4596, 0.4516



Tritanopia

30.5244, 0.3727, 0.3144

Trichromacy



Original Color

30.5973, 0.4596, 0.4516

Protanomaly

30.5499, 0.4397, 0.4657

Deuteranomaly

30.5973, 0.4596, 0.4516

Tritanomaly

30.2487, 0.4125, 0.3726

Monochromacy



Original Color

30.5973, 0.4596, 0.4516

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.5642, 0.3708, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5973, 0.4596, 0.4516 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(189, 143, 37)` looks like.

```
.text, #text, p{  
    color:rgb(189, 143, 37)  
}
```

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(189, 143, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 143, 37) }
```

Border

The CSS property to change the border of an element to Yxy 30.5973, 0.4596, 0.4516 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(189, 143, 37) }
```

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

```
.border{ border-color:rgb(189, 143, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 143, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 143, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 143, 37);  
box-shadow:4px 4px 4px 4px rgb(189, 143,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5973, 0.4596, 0.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 143, 37) }
```

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

```
.background{ background-color: rgb(189,  
143, 37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor