

Converting Colors

$Y_{xy}(13.6730, 0.5794, 0.3671)$

Have a look what the booklet for
Yxy(13.6730, 0.5794, 0.3671)
contains.

Yxy(13.6730, 0.5794, 0.3671)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.6730, 0.5794, 0.3671)

Conversions

Conversions Part 1

Format	Color
Hex	B83E10
RGB	184, 62, 16
RGB Percent	72%, 24%, 6%
CMY	0.2785, 0.7568, 0.9372
CMYK	0.00, 0.66, 0.91, 0.28
HSL	16°, 84%, 39%
HSV	16°, 91%, 72%
XYZ	21.5803, 13.6730, 1.9927
YIQ	93.2340, 87.4780, 11.5580

Conversions

Conversions Part 2

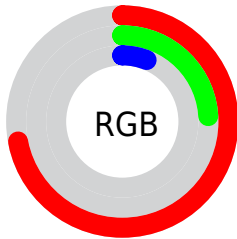
Format	Color
R _Y B	184, 79, 16
Decimal	12074512
CIE Lab	43.76, 47.44, 50.33
CIE LCh	44, 69.166, 46.691
Yxy	13.6730, 0.5794, 0.3671
Android (android.graphics.Color)	4290264592 (0xFFB83E10)
YUV	93.2340, -38.0764, 79.6018
Hunter-Lab	36.9770, 39.4654, 22.6888

Details

The Yxy color **13.6730, 0.5794, 0.3671** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **21.7399, 0.2033, 0.2463**, and the grayscale version is **11.0824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4290, 0.5232, 0.3731**, and **4.1376, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.5033, 0.6023, 0.3600**, and if you desaturate by 10%, it is **15.3907, 0.5470, 0.3725**.

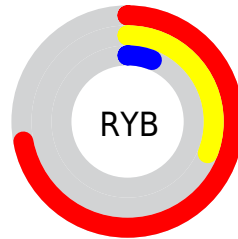
Distribution



Red (72%)

Green (24%)

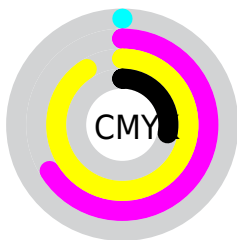
Blue (6%)



Red (72%)

Yellow (31%)

Blue (6%)

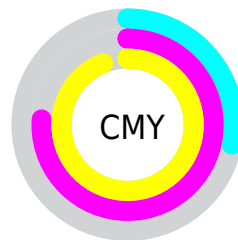


Cyan (0%)

Magenta (66%)

Yellow (91%)

Black (28%)



Cyan (28%)


Magenta (76%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6730, 0.5794, 0.3671 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 13.6730, 0.5794, 0.3671 by changing the saturation by 10% instead.


 13.6730, 0.5794,
0.3671


 13.6730, 0.5794,
0.3671

215.1869, 0.4285,
0.3644


 7.8936, 0.6180,
0.3570


 32.5077, 0.5230,
0.3734


 4.0269, 0.6643,
0.3357

 46.3317, 0.5019,
0.3732

 1.6886, 0.7096,
0.2904

 63.6061, 0.4843,
0.3722

 0.4163, 0.8099,
0.1901

 84.7153, 0.4695,
0.3708


 0.0000, 1.0000,
0.0000


 110.0435, 0.4569,
0.3692


 0.0000, 0.0000,
0.0000


 139.9753, 0.4461,

0.3676

 174.8950, 0.4367,
0.3660

 13.6730, 0.5794,
0.3671


 13.6730, 0.5794,
0.3671


 12.5033, 0.6023,
0.3600

 15.3907, 0.5470,
0.3725

 17.5458, 0.5100,
0.3736

 20.1688, 0.4721,
0.3709

 23.2868, 0.4362,
0.3657

 26.9243, 0.4039,
0.3589

■ 31.1044, 0.3758,
0.3515

■ 35.8486, 0.3519,
0.3440

■ 41.1772, 0.3317,
0.3367

■ 47.1096, 0.3147,
0.3299

Harmonies

Analogous

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



13.6730, 0.5456, 0.2889



13.6730, 0.5794, 0.3671



13.6730, 0.5221, 0.4588

Triad

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



13.6730, 0.5794, 0.3671



13.6730, 0.1877, 0.4899



13.6730, 0.1693, 0.1425

Complementary

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



13.6730, 0.5794, 0.3671



21.7399, 0.2033, 0.2463

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.



13.6730, 0.1171, 0.1491



13.6730, 0.5794, 0.3671



13.6730, 0.1203, 0.3089

Square

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



13.6730, 0.5794, 0.3671



13.6730, 0.2972, 0.6002



13.6730, 0.1011, 0.1958



13.6730, 0.2699, 0.1662

Rectangle

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



13.6730, 0.5794, 0.3671



13.6730, 0.4551, 0.5267



13.6730, 0.1011, 0.1958



13.6730, 0.1472, 0.1412

Sweetspot

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



13.6738, 0.5794, 0.3671



59.5784, 0.3661, 0.3486



12.4290, 0.3930, 0.1984



12.2388, 0.3746, 0.3512



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.6738, 0.5794, 0.3671



22.3293, 0.6051, 0.3578



30.4125, 0.4597, 0.4668



9.4019, 0.3281, 0.3353



8.7225, 0.6001, 0.3617



0.4144, 0.5481, 0.4030

Inverse Universe

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



21.7399, 0.2033, 0.2463



36.5619, 0.1989, 0.2358



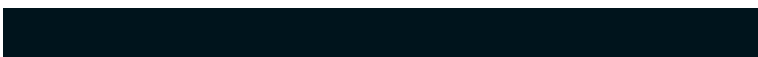
6.3227, 0.1636, 0.1010



9.7833, 0.2985, 0.3226



14.1825, 0.1997, 0.2387



0.5974, 0.2069, 0.2647

Previews

White Background



This preview shows how the Yxy color 13.6730, 0.5794, 0.3671 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 13.6730, 0.5794, 0.3671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

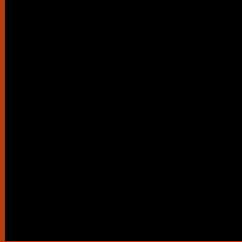
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6730, 0.5794, 0.3671

Background



This preview shows how black text looks on a background with the Yxy color 13.6730, 0.5794, 0.3671.



This preview shows how white text looks on a background with the Yxy color 13.6730, 0.5794, 0.3671.

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

13.6730, 0.5794, 0.3671

Protanopia

13.9642, 0.4249, 0.4715

Deuteranopia

13.8292, 0.4700, 0.4650



Tritanopia

13.6773, 0.5335, 0.3263

Trichromacy



Original Color

13.6730, 0.5794, 0.3671

Protanomaly

12.8693, 0.4888, 0.4276

Deuteranomaly

13.2480, 0.5159, 0.4239

Tritanomaly

13.6317, 0.5563, 0.3440

Monochromacy



Original Color

13.6730, 0.5794, 0.3671

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8519, 0.4211, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6730, 0.5794, 0.3671 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(184, 62, 16)` looks like.

```
.text, #text, p{  
    color:rgb(184, 62, 16)  
}
```

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(184, 62, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 62, 16) }
```

Border

The CSS property to change the border of an element to Yxy 13.6730, 0.5794, 0.3671 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(184, 62, 16) }
```

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

```
.border{ border-color:rgb(184, 62, 16) }
```

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

Here you see how a box with a 4 pixel rgb(184, 62, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 62, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 62, 16);  
box-shadow:4px 4px 4px 4px rgb(184, 62,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6730, 0.5794, 0.3671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 62, 16) }
```

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

```
.background{ background-color: rgb(184, 62,  
16) }
```

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