

Converting Colors

$Y_{xy}(15.8484, 0.5536, 0.3938)$

Have a look what the booklet for
Yxy(15.8484, 0.5536, 0.3938)
contains.

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Color

Yxy(15.8475, 0.5536, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	B65108
RGB	182, 81, 8
RGB Percent	71%, 32%, 3%
CMY	0.2863, 0.6823, 0.9683
CMYK	0.00, 0.55, 0.96, 0.29
HSL	25°, 91%, 37%
HSV	25°, 96%, 71%
XYZ	22.2783, 15.8475, 2.1168
YIQ	102.8770, 83.6290, -1.2910

Conversions

Conversions Part 2

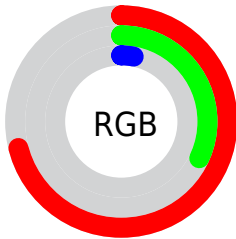
Format	Color
RYB	182, 134, 8
Decimal	11948296
CIELab	46.77, 37.71, 54.45
CIElCh	47, 66.234, 55.298
Yxy	15.8475, 0.5536, 0.3938
Android (android.graphics.Color)	4290138376 (0xFFB65108)
YUV	102.8770, -46.7744, 69.3909
Hunter-Lab	39.8089, 30.2283, 24.7136

Details

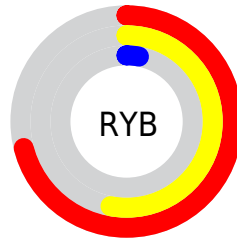
The Yxy color **15.8475, 0.5536, 0.3938** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.3843, 0.1877, 0.1926**, and the grayscale version is **13.6420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3783, 0.5045, 0.3936**, and **5.0449, 0.6003, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **15.1567, 0.5640, 0.3904**, and if you desaturate by 10%, it is **17.6016, 0.5284, 0.3997**.

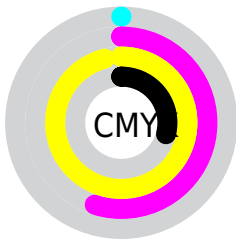
Distribution



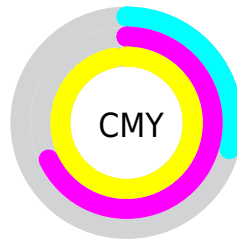
- Red (71%)
- Green (32%)
- Blue (3%)



- Red (71%)
- Yellow (53%)
- Blue (3%)



- Cyan (0%)
- Magenta (55%)
- Yellow (96%)
- Black (29%)





- Cyan (29%)
- Magenta (68%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8475, 0.5536, 0.3938 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 15.8475, 0.5536, 0.3938 by changing the saturation by 10% instead.


 15.8475, 0.5536,
0.3938


 15.8475, 0.5536,
0.3938


228.4402, 0.4212,
0.3750


 9.4163, 0.5854,
0.3888


 36.3333, 0.5054,
0.3933


 5.0137, 0.6242,
0.3758

 51.1566, 0.4869,
0.3909


 2.2553, 0.6590,
0.3410

 69.5461, 0.4714,
0.3881

 0.7499, 0.7178,
0.2822

 91.8862, 0.4582,
0.3853

 0.0000, 1.0000,
0.0000

 118.5613, 0.4469,
0.3825

 0.0000, 0.0000,
0.0000


 149.9557, 0.4371,


0.3798


 186.4538, 0.4287,
0.3773

 15.8475, 0.5536,
0.3938

 15.8475, 0.5536,
0.3938

 15.1567, 0.5640,
0.3904

 17.6016, 0.5284,
0.3997

 19.6615, 0.4992,
0.4003

 22.0466, 0.4683,
0.3962

 24.7733, 0.4376,
0.3887

 27.8565, 0.4087,
0.3789

■ 31.3101, 0.3825,
0.3679

■ 35.1470, 0.3593,
0.3565

■ 39.3797, 0.3390,
0.3453

■ 44.0198, 0.3214,
0.3347

Harmonies

Analogous

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



15.8475, 0.5462, 0.3155



15.8475, 0.5536, 0.3938



15.8475, 0.4865, 0.4823

Triad

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



15.8475, 0.5536, 0.3938



15.8475, 0.1752, 0.4267



15.8475, 0.2014, 0.1572

Complementary

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



15.8475, 0.5536, 0.3938



14.3843, 0.1877, 0.1926

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.



15.8475, 0.1389, 0.1553



15.8475, 0.5536, 0.3938



15.8475, 0.1235, 0.2751

Square

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



15.8475, 0.5536, 0.3938



15.8475, 0.2713, 0.5600



15.8475, 0.1142, 0.1885



15.8475, 0.3099, 0.1881

Rectangle

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



15.8475, 0.5536, 0.3938



15.8475, 0.4199, 0.5397



15.8475, 0.1142, 0.1885



15.8475, 0.1757, 0.1532

Sweetspot

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



15.8484, 0.5536, 0.3938



60.9003, 0.3681, 0.3610



11.2364, 0.4522, 0.2292



12.8040, 0.3781, 0.3658



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.



15.8484, 0.5536, 0.3938



27.0361, 0.5668, 0.3882



37.7867, 0.4329, 0.4920



9.6144, 0.3278, 0.3386



10.8289, 0.5620, 0.3920



0.5048, 0.5164, 0.4281

Inverse Universe

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



14.3843, 0.1877, 0.1926



24.2194, 0.1842, 0.1832



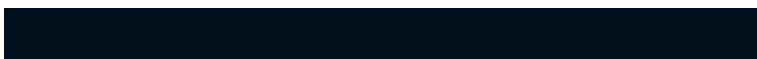
4.0258, 0.1540, 0.0701



9.5624, 0.2985, 0.3192



9.7534, 0.1854, 0.1875



0.4633, 0.1966, 0.2279

Previews

White Background



This preview shows how the Yxy color 15.8475, 0.5536, 0.3938 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 15.8475, 0.5536, 0.3938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

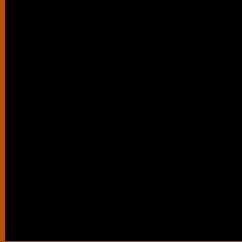
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8475, 0.5536, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 15.8475, 0.5536, 0.3938.



This preview shows how white text looks on a background with the Yxy color 15.8475, 0.5536, 0.3938.

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

15.8475, 0.5536, 0.3938

Protanopia

16.0710, 0.4328, 0.4792

Deuteranopia

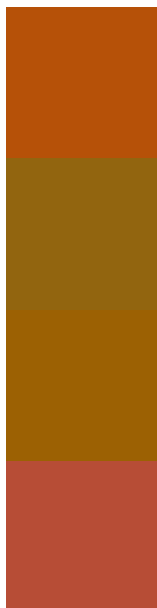
15.9708, 0.4699, 0.4651



Tritanopia

15.8017, 0.4851, 0.3230

Trichromacy



Original Color

15.8475, 0.5536, 0.3938

Protanomaly

15.4528, 0.4795, 0.4465

Deuteranomaly

15.6239, 0.5031, 0.4367

Tritanomaly

15.6414, 0.5217, 0.3572

Monochromacy



Original Color

15.8475, 0.5536, 0.3938

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5073, 0.4132, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8475, 0.5536, 0.3938 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(182, 81, 8)` looks like.

```
.text, #text, p{  
    color:rgb(182, 81, 8)  
}
```

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(182, 81, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 81, 8) }
```

Border

The CSS property to change the border of an element to Yxy 15.8475, 0.5536, 0.3938 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(182, 81, 8) }
```

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

```
.border{ border-color:rgb(182, 81, 8) }
```

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

Here you see how a box with a 4 pixel rgb(182, 81, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 81, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 81, 8);  
box-shadow:4px 4px 4px 4px rgb(182, 81, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.8475, 0.5536, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 81, 8) }
```

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

```
.background{ background-color: rgb(182, 81,  
8) }
```

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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