

Converting Colors

$Y_{xy}(13.0830, 0.5764, 0.3805)$

Have a look what the booklet for
Yxy(13.0830, 0.5764, 0.3805)
contains.

Yxy(13.1265, 0.5760, 0.3808)	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(13.1265, 0.5760, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	B04200
RGB	176, 66, 0
RGB Percent	69%, 26%, 0%
CMY	0.3098, 0.7412, 0.9997
CMYK	0.00, 0.63, 1.00, 0.31
HSL	22°, 100%, 35%
HSV	22°, 100%, 69%
XYZ	19.8552, 13.1265, 1.4891
YIQ	91.3660, 86.7460, 2.7940

Conversions

Conversions Part 2

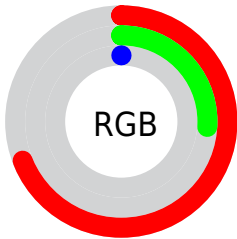
Format	Color
R_{YB}	176, 106, 0
Decimal	11551232
CIE _{Lab}	42.95, 42.57, 53.81
CIE _{LCh}	43, 68.615, 51.656
Yxy	13.1265, 0.5760, 0.3808
Android (android.graphics.Color)	4289741312 (0xFFB04200)
YUV	91.3660, -45.0434, 74.2240
Hunter-Lab	36.2305, 34.4190, 22.9244

Details

The Yxy color **13.1265, 0.5760, 0.3808** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.3071, 0.1894, 0.2019**, and the grayscale version is **10.6411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5931, 0.5220, 0.3854**, and **3.8185, 0.6314, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **13.1219, 0.5761, 0.3808**, and if you desaturate by 10%, it is **14.5818, 0.5507, 0.3885**.

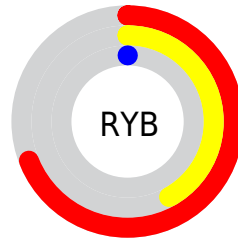
Distribution



Red (69%)

Green (26%)

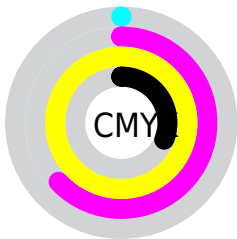
Blue (0%)



Red (69%)

Yellow (42%)

Blue (0%)

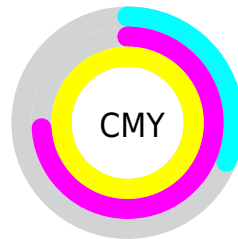


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1265, 0.5760, 0.3808 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 13.1265, 0.5760, 0.3808 by changing the saturation by 10% instead.


 13.1265, 0.5760,
0.3808


 13.1265, 0.5760,
0.3808


 211.7268, 0.4284,
0.3717


 7.5157, 0.6161,
0.3735


 31.5309, 0.5218,
0.3855


 3.7867, 0.6518,
0.3482

 45.0932, 0.5011,
0.3844


 1.5550, 0.6963,
0.3037

 62.0749, 0.4838,
0.3826

 0.3269, 0.8169,
0.1831

 82.8603, 0.4691,
0.3804


 0.0000, 1.0000,
0.0000


 107.8338, 0.4566,
0.3782


 0.0000, 0.0000,
0.0000


 137.3798, 0.4458,


0.3759


 171.8826, 0.4365,
0.3738


 13.1265, 0.5760,
0.3808

 13.1265, 0.5760,
0.3808


 13.1219, 0.5761,
0.3808

 14.5818, 0.5507,
0.3885

 16.3349, 0.5210,
0.3921

 18.4134, 0.4884,
0.3908

 20.8356, 0.4553,
0.3856

 23.6182, 0.4239,
0.3776

■ 26.7765, 0.3953,
0.3682

■ 30.3248, 0.3699,
0.3581

■ 34.2768, 0.3479,
0.3480

■ 38.6453, 0.3289,
0.3382

Harmonies

Analogous

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



13.1265, 0.5602, 0.3011



13.1265, 0.5760, 0.3808



13.1265, 0.5080, 0.4763

Triad

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



13.1265, 0.5760, 0.3808



13.1265, 0.1721, 0.4601



13.1265, 0.1817, 0.1437

Complementary

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



13.1265, 0.5760, 0.3808



14.3071, 0.1894, 0.2019

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.



13.1265, 0.1223, 0.1450



13.1265, 0.5760, 0.3808



13.1265, 0.1134, 0.2840

Square

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



13.1265, 0.5760, 0.3808



13.1265, 0.2772, 0.5955



13.1265, 0.1007, 0.1837



13.1265, 0.2915, 0.1724

Rectangle

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



13.1265, 0.5760, 0.3808



13.1265, 0.4366, 0.5435



13.1265, 0.1007, 0.1837



13.1265, 0.1569, 0.1407

Sweetspot

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



13.1273, 0.5760, 0.3808



54.6075, 0.3713, 0.3587



10.3919, 0.4399, 0.2197



11.2459, 0.3814, 0.3628



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.1273, 0.5760, 0.3808



23.3941, 0.5791, 0.3784



31.8684, 0.4448, 0.4850



9.0096, 0.3278, 0.3376



9.7309, 0.5742, 0.3823



0.4205, 0.5215, 0.4241

Inverse Universe

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



14.3071, 0.1894, 0.2019



25.4839, 0.1888, 0.1995



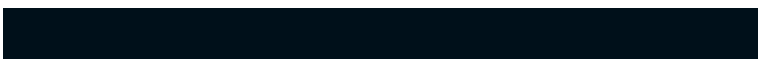
3.7696, 0.1530, 0.0707



9.0857, 0.2986, 0.3203



10.6063, 0.1898, 0.2033



0.4413, 0.2007, 0.2424

Previews

White Background



This preview shows how the Yxy color 13.1265, 0.5760, 0.3808 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 13.1265, 0.5760, 0.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

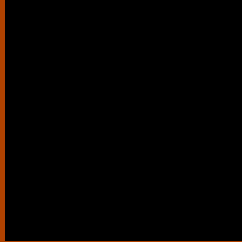
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1265, 0.5760, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 13.1265, 0.5760, 0.3808.



This preview shows how white text looks on a background with the Yxy color 13.1265, 0.5760, 0.3808.

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

13.1265, 0.5760, 0.3808

Protanopia

13.3890, 0.4305, 0.4792

Deuteranopia

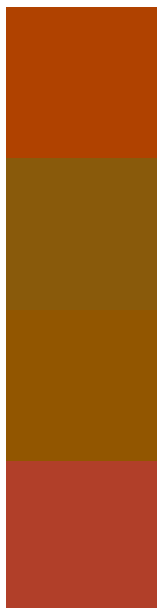
13.2165, 0.4694, 0.4655



Tritanopia

13.0663, 0.5156, 0.3246

Trichromacy



Original Color

13.1265, 0.5760, 0.3808

Protanomaly

12.6549, 0.4888, 0.4408

Deuteranomaly

12.7666, 0.5127, 0.4311

Tritanomaly

13.0622, 0.5501, 0.3538

Monochromacy



Original Color

13.1265, 0.5760, 0.3808

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.4777, 0.4264, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1265, 0.5760, 0.3808 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(176, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 66, 0)  
}
```

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(176, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 66, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1265, 0.5760, 0.3808 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(176, 66, 0) }
```

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

```
.border{ border-color:rgb(176, 66, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 66, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 66, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1265, 0.5760, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 66, 0) }
```

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

```
.background{ background-color: rgb(176, 66,  
0) }
```

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