

Converting Colors

$Y_{xy}(13.8388, 0.5783, 0.3528)$

Have a look what the booklet for
Yxy(13.8388, 0.5783, 0.3528)
contains.

| | |
|---|----|
| Yxy(13.8388, 0.5783, 0.3528) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(13.8388, 0.5783, 0.3528)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | BD391E |
| RGB | 189, 57, 30 |
| RGB Percent | 74%, 22%, 12% |
| CMY | 0.2588, 0.7764, 0.8824 |
| CMYK | 0.00, 0.70, 0.84, 0.26 |
| HSL | 10°, 73%, 43% |
| HSV | 10°, 84%, 74% |
| XYZ | 22.6842, 13.8388, 2.7026 |
| YIQ | 93.3900, 87.3390, 19.5870 |

Conversions

Conversions Part 2

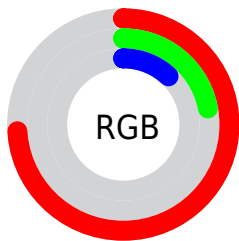
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 189, 63, 30 |
| Decimal | 12400926 |
| CIE Lab | 44.00, 51.52, 45.11 |
| CIE LCh | 44, 68.478, 41.204 |
| Yxy | 13.8388, 0.5783, 0.3528 |
| Android (android.graphics.Color) | 4290591006 (0xFFBD391E) |
| YUV | 93.3900, -31.2513, 83.8500 |
| Hunter-Lab | 37.2005, 43.7450, 21.7329 |

Details

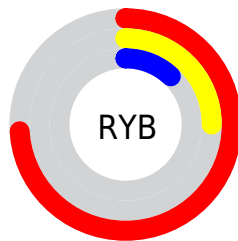
The Yxy color **13.8388, 0.5783, 0.3528** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **29.7837, 0.2153, 0.2833**, and the grayscale version is **11.1020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8196, 0.5198, 0.3608**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.4514, 0.6091, 0.3471**, and if you desaturate by 10%, it is **15.7649, 0.5390, 0.3555**.

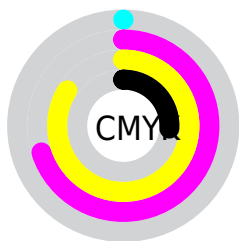
Distribution



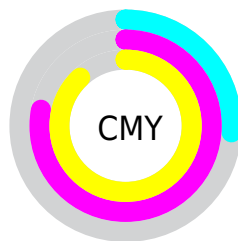
- Red (74%)
- Green (22%)
- Blue (12%)



- Red (74%)
- Yellow (25%)
- Blue (12%)



- Cyan (0%)
- Magenta (70%)
- Yellow (84%)
- Black (26%)





- Cyan (26%)
- Magenta (78%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8388, 0.5783, 0.3528 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 13.8388, 0.5783, 0.3528 by changing the saturation by 10% instead.


 13.8388, 0.5783,
0.3528


 13.8388, 0.5783,
0.3528


216.2257, 0.4259,
0.3560


 8.0086, 0.6179,
0.3418


 32.8027, 0.5201,
0.3603


 4.1005, 0.6756,
0.3244

 46.7053, 0.4988,
0.3610


 1.7299, 0.7222,
0.2778

 64.0674, 0.4811,
0.3608

 0.4429, 0.8177,
0.1823

 85.2735, 0.4664,
0.3601

 0.0000, 1.0000,
0.0000


 110.7080, 0.4539,
0.3591


 0.0000, 0.0000,
0.0000


 140.7553, 0.4432,


0.3581


 175.7997, 0.4339,
0.3571


 13.8388, 0.5783,
0.3528


 13.8388, 0.5783,
0.3528

 12.4514, 0.6091,
0.3471


 15.7649, 0.5390,
0.3555

 11.8585, 0.6230,
0.3435

 18.2763, 0.4966,
0.3553

 21.4171, 0.4556,
0.3529

 25.2263, 0.4186,
0.3490

 29.7399, 0.3867,
0.3445

■ 34.9912, 0.3599,
0.3397

■ 41.0113, 0.3376,
0.3351

■ 47.8296, 0.3193,
0.3307

■ 55.4739, 0.3042,
0.3267

Harmonies

Analogous

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



13.8388, 0.5248, 0.2762



13.8388, 0.5783, 0.3528



13.8388, 0.5351, 0.4404

Triad

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



13.8388, 0.5783, 0.3528



13.8388, 0.2072, 0.5181



13.8388, 0.1581, 0.1431

Complementary

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



13.8388, 0.5783, 0.3528



29.7837, 0.2153, 0.2833

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.



13.8388, 0.1134, 0.1559



13.8388, 0.5783, 0.3528



13.8388, 0.1307, 0.3389

Square

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



13.8388, 0.5783, 0.3528



13.8388, 0.3198, 0.5979



13.8388, 0.1036, 0.2122



13.8388, 0.2483, 0.1613

Rectangle

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



13.8388, 0.5783, 0.3528



13.8388, 0.4740, 0.5071



13.8388, 0.1036, 0.2122



13.8388, 0.1388, 0.1436

Sweetspot

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



13.8396, 0.5783, 0.3528



61.4040, 0.3630, 0.3403



14.3733, 0.3587, 0.1840



12.4740, 0.3721, 0.3420



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.



13.8396, 0.5783, 0.3528



21.0042, 0.6251, 0.3419



28.5201, 0.4714, 0.4478



9.7914, 0.3284, 0.3330



8.0570, 0.6212, 0.3450



0.3980, 0.5793, 0.3782

Inverse Universe

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



29.7837, 0.2153, 0.2833



49.3870, 0.2091, 0.2728



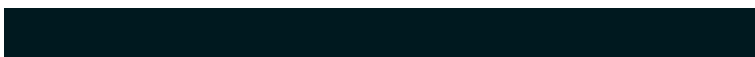
10.1349, 0.1770, 0.1400



10.5261, 0.2985, 0.3250



18.7675, 0.2096, 0.2746



0.8093, 0.2136, 0.2889

Previews

White Background



This preview shows how the Yxy color 13.8388, 0.5783, 0.3528 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 13.8388, 0.5783, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

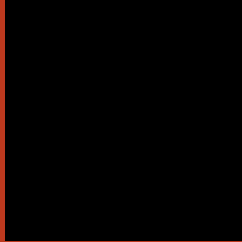
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8388, 0.5783, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 13.8388, 0.5783, 0.3528.



This preview shows how white text looks on a background with the Yxy color 13.8388, 0.5783, 0.3528.

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

13.8388, 0.5783, 0.3528

Protanopia

14.0522, 0.4119, 0.4520

Deuteranopia

13.9368, 0.4667, 0.4580



Tritanopia

13.8710, 0.5497, 0.3277

Trichromacy



Original Color

13.8388, 0.5783, 0.3528

Protanomaly

12.9590, 0.4790, 0.4093

Deuteranomaly

13.1600, 0.5153, 0.4129

Tritanomaly

13.8848, 0.5617, 0.3374

Monochromacy



Original Color

13.8388, 0.5783, 0.3528

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.7687, 0.4175, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8388, 0.5783, 0.3528 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, 57, 30)` looks like.

```
.text, #text, p{  
    color:rgb(189, 57, 30)  
}
```

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, 57, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 57, 30) }
```

Border

The CSS property to change the border of an element to Yxy 13.8388, 0.5783, 0.3528 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, 57, 30) }
```

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

```
.border{ border-color:rgb(189, 57, 30) }
```

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

Here you see how a box with a 4 pixel rgb(189, 57, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 57, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 57, 30);  
box-shadow:4px 4px 4px 4px rgb(189, 57,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8388, 0.5783, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 57, 30) }
```

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

```
.background{ background-color: rgb(189, 57,  
30) }
```

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