

Converting Colors

$Y_{xy}(13.0567, 0.5815, 0.3558)$

Have a look what the booklet for
Yxy(13.0567, 0.5815, 0.3558)
contains.

Yxy(13.0889, 0.5809, 0.3560)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0889, 0.5809, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	B83819
RGB	184, 56, 25
RGB Percent	72%, 22%, 10%
CMY	0.2784, 0.7804, 0.9020
CMYK	0.00, 0.70, 0.86, 0.28
HSL	12°, 76%, 41%
HSV	12°, 86%, 72%
XYZ	21.3577, 13.0889, 2.3200
YIQ	90.7380, 86.2390, 17.4950

Conversions

Conversions Part 2

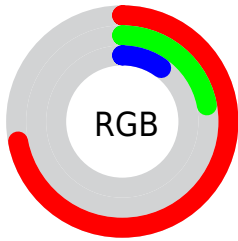
Format	Color
R_YB	184, 64, 25
Decimal	12072985
CIE Lab	42.90, 50.11, 46.10
CIE LCh	43, 68.091, 42.612
Yxy	13.0889, 0.5809, 0.3560
Android (android.graphics.Color)	4290263065 (0xFFB83819)
YUV	90.7380, -32.4088, 81.7908
Hunter-Lab	36.1786, 42.0633, 21.5230

Details

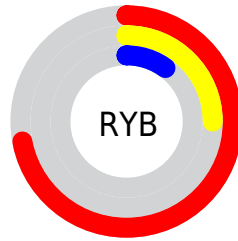
The Yxy color **13.0889, 0.5809, 0.3560** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **26.4484, 0.2124, 0.2747**, and the grayscale version is **10.4598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3939, 0.5226, 0.3637**, and **4.2110, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.8045, 0.6098, 0.3493**, and if you desaturate by 10%, it is **14.8512, 0.5435, 0.3595**.

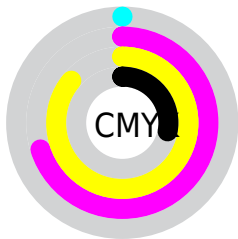
Distribution



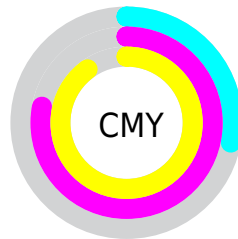
- Red (72%)
- Green (22%)
- Blue (10%)



- Red (72%)
- Yellow (25%)
- Blue (10%)



- Cyan (0%)
- Magenta (70%)
- Yellow (86%)
- Black (28%)





- Cyan (28%)
- Magenta (78%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0889, 0.5809, 0.3560 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 13.0889, 0.5809, 0.3560 by changing the saturation by 10% instead.


 13.0889, 0.5809,
0.3560


 13.0889, 0.5809,
0.3560


211.4866, 0.4265,
0.3581


 7.4898, 0.6212,
0.3446


 31.4634, 0.5220,
0.3636


 3.7703, 0.6756,
0.3244

 45.0076, 0.5004,
0.3641


 1.5459, 0.7238,
0.2762

 61.9689, 0.4825,
0.3637

 0.3207, 0.8437,
0.1563

 82.7318, 0.4675,
0.3628

 0.0000, 1.0000,
0.0000


 107.6806, 0.4549,
0.3617


 0.0000, 0.0000,
0.0000


 137.1998, 0.4440,


0.3605


 171.6736, 0.4347,
0.3593


 13.0889, 0.5809,
0.3560


 13.0889, 0.5809,
0.3560


 11.8045, 0.6098,
0.3493


 14.8512, 0.5435,
0.3595

 11.4456, 0.6185,
0.3471

 17.1326, 0.5024,
0.3597

 19.9718, 0.4618,
0.3572

 23.4028, 0.4247,
0.3530

 27.4572, 0.3924,
0.3479

■ 32.1640, 0.3650,
0.3425

■ 37.5506, 0.3421,
0.3372

■ 43.6425, 0.3231,
0.3321

■ 50.4642, 0.3074,
0.3274

Harmonies

Analogous

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



13.0889, 0.5324, 0.2788



13.0889, 0.5809, 0.3560



13.0889, 0.5334, 0.4453

Triad

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



13.0889, 0.5809, 0.3560



13.0889, 0.2010, 0.5133



13.0889, 0.1597, 0.1417

Complementary

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



13.0889, 0.5809, 0.3560



26.4484, 0.2124, 0.2747

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.



13.0889, 0.1131, 0.1529



13.0889, 0.5809, 0.3560



13.0889, 0.1265, 0.3308

Square

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



13.0889, 0.5809, 0.3560



13.0889, 0.3134, 0.6015



13.0889, 0.1016, 0.2067



13.0889, 0.2531, 0.1614

Rectangle

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



13.0889, 0.5809, 0.3560



13.0889, 0.4703, 0.5134



13.0889, 0.1016, 0.2067



13.0889, 0.1397, 0.1417

Sweetspot

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



13.0897, 0.5809, 0.3560



58.2866, 0.3650, 0.3425



13.2475, 0.3644, 0.1855



11.9047, 0.3739, 0.3444



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.



13.0897, 0.5809, 0.3560



20.4855, 0.6208, 0.3452



27.2150, 0.4712, 0.4513



9.2882, 0.3283, 0.3335



7.9687, 0.6166, 0.3486



0.3663, 0.5691, 0.3863

Inverse Universe

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



26.4484, 0.2124, 0.2747



44.3935, 0.2067, 0.2641



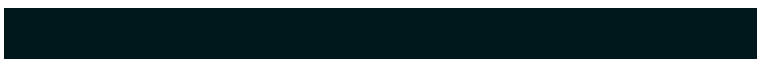
8.7468, 0.1736, 0.1310



9.9050, 0.2985, 0.3244



17.1069, 0.2073, 0.2661



0.6803, 0.2122, 0.2841

Previews

White Background



This preview shows how the Yxy color 13.0889, 0.5809, 0.3560 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 13.0889, 0.5809, 0.3560 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 13.0889, 0.5809, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 13.0889, 0.5809, 0.3560.



This preview shows how white text looks on a background with the Yxy color 13.0889, 0.5809, 0.3560.

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

13.0889, 0.5809, 0.3560

Protanopia

13.2075, 0.4170, 0.4586

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

13.1363, 0.5479, 0.3276

Trichromacy



Original Color

13.0889, 0.5809, 0.3560

Protanomaly

12.0903, 0.4848, 0.4140

Deuteranomaly

12.4439, 0.5197, 0.4183

Tritanomaly

13.1345, 0.5630, 0.3395

Monochromacy



Original Color

13.0889, 0.5809, 0.3560

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.2140, 0.4198, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0889, 0.5809, 0.3560 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, 56, 25)` looks like.

```
.text, #text, p{  
    color:rgb(184, 56, 25)  
}
```

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, 56, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 56, 25) }
```

Border

The CSS property to change the border of an element to Yxy 13.0889, 0.5809, 0.3560 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, 56, 25) }
```

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

```
.border{ border-color:rgb(184, 56, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 56, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 56, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 56, 25);  
box-shadow:4px 4px 4px 4px rgb(184, 56,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0889, 0.5809, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 56, 25) }
```

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

```
.background{ background-color: rgb(184, 56,  
25) }
```

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