

Converting Colors

$Y_{xy}(12.9464, 0.5827, 0.3558)$

Have a look what the booklet for
Yxy(12.9464, 0.5827, 0.3558)
contains.

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Color

Yxy(12.9887, 0.5829, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	B83718
RGB	184, 55, 24
RGB Percent	72%, 22%, 9%
CMY	0.2785, 0.7842, 0.9057
CMYK	0.00, 0.70, 0.87, 0.28
HSL	12°, 77%, 41%
HSV	12°, 87%, 72%
XYZ	21.2971, 12.9887, 2.2506
YIQ	90.0370, 86.8350, 17.7070

Conversions

Conversions Part 2

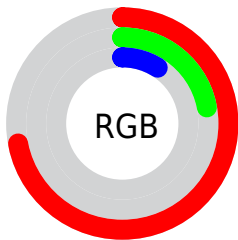
Format	Color
RYB	184, 62, 24
Decimal	12072728
CIELab	42.75, 50.47, 46.40
CIElCh	43, 68.559, 42.591
Yxy	12.9887, 0.5829, 0.3555
Android (android.graphics.Color)	4290262808 (0xFFB83718)
YUV	90.0370, -32.5562, 82.4056
Hunter-Lab	36.0398, 42.4116, 21.5253

Details

The Yxy color **12.9887, 0.5829, 0.3555** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **26.4404, 0.2122, 0.2748**, and the grayscale version is **10.2956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1793, 0.5235, 0.3627**, and **4.1376, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7316, 0.6113, 0.3488**, and if you desaturate by 10%, it is **14.7216, 0.5458, 0.3592**.

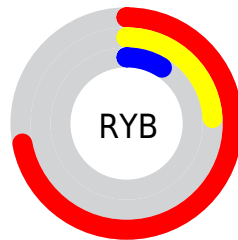
Distribution



Red (72%)

Green (22%)

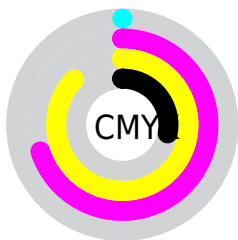
Blue (9%)



Red (72%)

Yellow (24%)

Blue (9%)

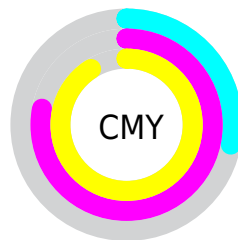


Cyan (0%)

Magenta (70%)

Yellow (87%)

Black (28%)



Cyan (28%)


Magenta (78%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9887, 0.5829, 0.3555 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 12.9887, 0.5829, 0.3555 by changing the saturation by 10% instead.


 12.9887, 0.5829,
0.3555


 12.9887, 0.5829,
0.3555


210.8452, 0.4274,
0.3582


 7.4208, 0.6235,
0.3439


 31.2835, 0.5236,
0.3635


 3.7266, 0.6773,
0.3227

 44.7791, 0.5019,
0.3641


 1.5218, 0.7260,
0.2740

 61.6861, 0.4838,
0.3637


 0.3040, 0.8498,
0.1502

 82.3889, 0.4687,
0.3629


 0.0000, 1.0000,
0.0000


 107.2717, 0.4560,
0.3618

 0.0000, 0.0000,
0.0000


 136.7192, 0.4451,


0.3606


 171.1155, 0.4356,
0.3594

 12.9887, 0.5829,
0.3555

 12.9887, 0.5829,
0.3555


 11.7316, 0.6113,
0.3488

 14.7216, 0.5458,
0.3592

 11.4292, 0.6187,
0.3469

 16.9725, 0.5047,
0.3595

 19.7805, 0.4640,
0.3572

 23.1801, 0.4266,
0.3531

 27.2029, 0.3940,
0.3480

■ 31.8782, 0.3663,
0.3427

■ 37.2336, 0.3432,
0.3374

■ 43.2950, 0.3240,
0.3323

■ 50.0867, 0.3082,
0.3276

Harmonies

Analogous

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



12.9887, 0.5342, 0.2782



12.9887, 0.5829, 0.3555



12.9887, 0.5348, 0.4454

Triad

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



12.9887, 0.5829, 0.3555



12.9887, 0.1999, 0.5155



12.9887, 0.1587, 0.1405

Complementary

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



12.9887, 0.5829, 0.3555



26.4404, 0.2122, 0.2748

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.



12.9887, 0.1119, 0.1517



12.9887, 0.5829, 0.3555



12.9887, 0.1252, 0.3307

Square

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



12.9887, 0.5829, 0.3555



12.9887, 0.3129, 0.6041



12.9887, 0.1003, 0.2056



12.9887, 0.2524, 0.1603

Rectangle

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



12.9887, 0.5829, 0.3555



12.9887, 0.4712, 0.5144



12.9887, 0.1003, 0.2056



12.9887, 0.1386, 0.1406

Sweetspot

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



12.9895, 0.5829, 0.3555



58.2510, 0.3651, 0.3424



13.1994, 0.3648, 0.1853



11.8965, 0.3739, 0.3443



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.



12.9895, 0.5829, 0.3555



20.4604, 0.6211, 0.3451



27.1233, 0.4720, 0.4513



9.2863, 0.3283, 0.3335



7.9582, 0.6169, 0.3484



0.3655, 0.5695, 0.3860

Inverse Universe

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



26.4404, 0.2122, 0.2748



44.5336, 0.2068, 0.2646



8.6450, 0.1731, 0.1299



9.9070, 0.2985, 0.3245



17.1591, 0.2074, 0.2666



0.6818, 0.2123, 0.2844

Previews

White Background



This preview shows how the Yxy color 12.9887, 0.5829, 0.3555 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 12.9887, 0.5829, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

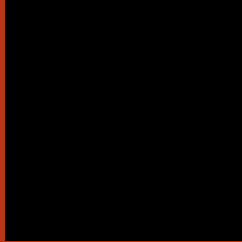
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9887, 0.5829, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 12.9887, 0.5829, 0.3555.



This preview shows how white text looks on a background with the Yxy color 12.9887, 0.5829, 0.3555.

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

12.9887, 0.5829, 0.3555

Protanopia

13.2075, 0.4170, 0.4586

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

13.0366, 0.5504, 0.3276

Trichromacy



Original Color

12.9887, 0.5829, 0.3555

Protanomaly

12.0903, 0.4848, 0.4140

Deuteranomaly

12.4439, 0.5197, 0.4183

Tritanomaly

13.0349, 0.5654, 0.3394

Monochromacy



Original Color

12.9887, 0.5829, 0.3555

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

9.9862, 0.4209, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9887, 0.5829, 0.3555 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, 55, 24)` looks like.

```
.text, #text, p{  
    color:rgb(184, 55, 24)  
}
```

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, 55, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 55, 24) }
```

Border

The CSS property to change the border of an element to Yxy 12.9887, 0.5829, 0.3555 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, 55, 24) }
```

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

```
.border{ border-color:rgb(184, 55, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 55, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 55, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 55, 24);  
box-shadow:4px 4px 4px 4px rgb(184, 55,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9887, 0.5829, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 55, 24) }
```

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

```
.background{ background-color: rgb(184, 55,  
24) }
```

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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