

Converting Colors

$Y_{xy}(12.9929, 0.5821, 0.3549)$

Have a look what the booklet for
Yxy(12.9929, 0.5821, 0.3549)
contains.

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Color

Yxy(12.9929, 0.5821, 0.3549)

Conversions

Conversions Part 1

Format	Color
Hex	B83719
RGB	184, 55, 25
RGB Percent	72%, 22%, 10%
CMY	0.2784, 0.7843, 0.9018
CMYK	0.00, 0.70, 0.86, 0.28
HSL	11°, 76%, 41%
HSV	11°, 86%, 72%
XYZ	21.3107, 12.9929, 2.3064
YIQ	90.1510, 86.5140, 18.0180

Conversions

Conversions Part 2

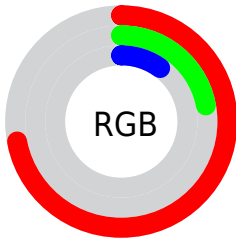
Format	Color
RYB	184, 62, 25
Decimal	12072729
CIELab	42.75, 50.51, 45.96
CIElCh	43, 68.291, 42.299
Yxy	12.9929, 0.5821, 0.3549
Android (android.graphics.Color)	4290262809 (0xFFB83719)
YUV	90.1510, -32.1194, 82.3056
Hunter-Lab	36.0457, 42.4518, 21.4382

Details

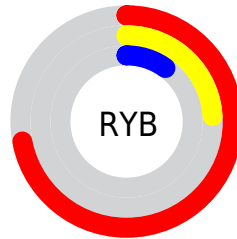
The Yxy color **12.9929, 0.5821, 0.3549** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **26.7958, 0.2129, 0.2767**, and the grayscale version is **10.3197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1793, 0.5235, 0.3627**, and **4.2110, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7277, 0.6109, 0.3484**, and if you desaturate by 10%, it is **14.7404, 0.5446, 0.3584**.

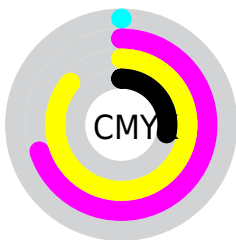
Distribution



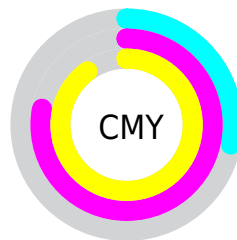
- Red (72%)
- Green (22%)
- Blue (10%)



- Red (72%)
- Yellow (24%)
- 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 12.9929, 0.5821, 0.3549 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 12.9929, 0.5821, 0.3549 by changing the saturation by 10% instead.


 12.9929, 0.5821,
0.3549


 12.9929, 0.5821,
0.3549


210.8722, 0.4269,
0.3577


 7.4237, 0.6227,
0.3433


 31.2910, 0.5228,
0.3628

 3.7284, 0.6774,
0.3226

 44.7887, 0.5011,
0.3634


 1.5228, 0.7261,
0.2739

 61.6980, 0.4831,
0.3631

 0.3047, 0.8497,
0.1503

 82.4032, 0.4681,
0.3623


 0.0000, 1.0000,
0.0000


 107.2889, 0.4553,
0.3612


 0.0000, 0.0000,
0.0000

 136.7393, 0.4444,


0.3601

 171.1390, 0.4351,
0.3589

 12.9929, 0.5821,
0.3549


 12.9929, 0.5821,
0.3549


 11.7277, 0.6109,
0.3484


 14.7404, 0.5446,
0.3584

 11.3745, 0.6197,
0.3462

 17.0127, 0.5032,
0.3586

 19.8492, 0.4624,
0.3562

 23.2849, 0.4251,
0.3522

 27.3520, 0.3926,
0.3473

■ 32.0802, 0.3650,
0.3420

■ 37.4974, 0.3421,
0.3369

■ 43.6298, 0.3231,
0.3320

■ 50.5023, 0.3074,
0.3274

Harmonies

Analogous

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



12.9929, 0.5324, 0.2777



12.9929, 0.5821, 0.3549



12.9929, 0.5350, 0.4443

Triad

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



12.9929, 0.5821, 0.3549



12.9929, 0.2013, 0.5162



12.9929, 0.1585, 0.1410

Complementary

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



12.9929, 0.5821, 0.3549



26.7958, 0.2129, 0.2767

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.



12.9929, 0.1121, 0.1525



12.9929, 0.5821, 0.3549



12.9929, 0.1262, 0.3324

Square

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



12.9929, 0.5821, 0.3549



12.9929, 0.3143, 0.6030



12.9929, 0.1009, 0.2069



12.9929, 0.2515, 0.1605

Rectangle

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



12.9929, 0.5821, 0.3549



12.9929, 0.4719, 0.5130



12.9929, 0.1009, 0.2069



12.9929, 0.1385, 0.1411

Sweetspot

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



12.9937, 0.5821, 0.3549



58.1102, 0.3651, 0.3421



13.2502, 0.3644, 0.1856



11.8637, 0.3741, 0.3439



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.



12.9937, 0.5821, 0.3549



20.3627, 0.6220, 0.3444



27.2201, 0.4712, 0.4512



9.2788, 0.3283, 0.3334



7.9173, 0.6178, 0.3476



0.3623, 0.5710, 0.3848

Inverse Universe

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



26.7958, 0.2129, 0.2767



45.0925, 0.2074, 0.2664



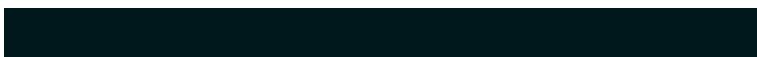
8.7518, 0.1737, 0.1311



9.9151, 0.2985, 0.3246



17.3673, 0.2079, 0.2684



0.6875, 0.2127, 0.2856

Previews

White Background



This preview shows how the Yxy color 12.9929, 0.5821, 0.3549 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

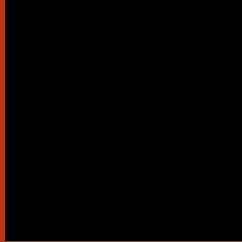
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9929, 0.5821, 0.3549

Background



This preview shows how black text looks on a background with the Yxy color 12.9929, 0.5821, 0.3549.



This preview shows how white text looks on a background with the Yxy color 12.9929, 0.5821, 0.3549.

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

12.9929, 0.5821, 0.3549

Protanopia

13.2137, 0.4160, 0.4571

Deuteranopia

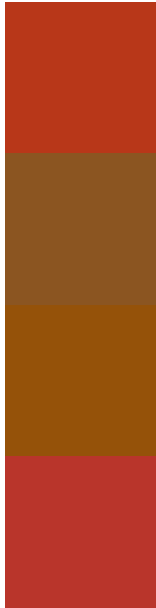
13.2165, 0.4694, 0.4655



Tritanopia

13.0366, 0.5504, 0.3276

Trichromacy



Original Color

12.9929, 0.5821, 0.3549

Protanomaly

12.0958, 0.4838, 0.4129

Deuteranomaly

12.4439, 0.5197, 0.4183

Tritanomaly

13.0349, 0.5654, 0.3394

Monochromacy



Original Color

12.9929, 0.5821, 0.3549

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 12.9929, 0.5821, 0.3549 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(184, 55, 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, 55, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 55, 25) }
```

Border

The CSS property to change the border of an element to Yxy 12.9929, 0.5821, 0.3549 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, 25) }
```

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

```
.border{ border-color:rgb(184, 55, 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, 55, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 55, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 55, 25);  
box-shadow:4px 4px 4px 4px rgb(184, 55,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9929, 0.5821, 0.3549 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, 25) }
```

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

```
.background{ background-color: rgb(184, 55,  
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](#).

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