

Converting Colors

$Y_{xy}(13.4472, 0.5675, 0.3631)$

Have a look what the booklet for
Yxy(13.4472, 0.5675, 0.3631)
contains.

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Color

Yxy(13.4626, 0.5673, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	B53F1C
RGB	181, 63, 28
RGB Percent	71%, 25%, 11%
CMY	0.2902, 0.7530, 0.8901
CMYK	0.00, 0.65, 0.85, 0.29
HSL	14°, 73%, 41%
HSV	14°, 85%, 71%
XYZ	21.0453, 13.4626, 2.5894
YIQ	94.2920, 81.5630, 14.1310

Conversions

Conversions Part 2

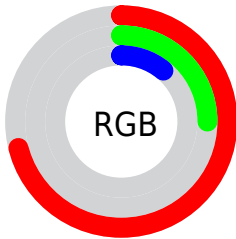
Format	Color
R_{YB}	181, 73, 28
Decimal	11878172
CIE Lab	43.45, 46.23, 44.99
CIE LCh	43, 64.507, 44.221
Yxy	13.4626, 0.5673, 0.3629
Android (android.graphics.Color)	4290068252 (0xFFB53F1C)
YUV	94.2920, -32.6820, 76.0429
Hunter-Lab	36.6914, 38.1732, 21.4998

Details

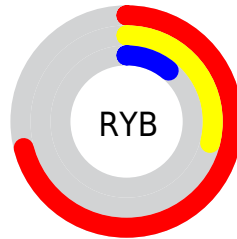
The Yxy color **13.4626, 0.5673, 0.3629** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **24.1539, 0.2108, 0.2665**, and the grayscale version is **11.3312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0535, 0.5111, 0.3683**, and **3.9931, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.0460, 0.5979, 0.3564**, and if you desaturate by 10%, it is **15.3251, 0.5298, 0.3656**.

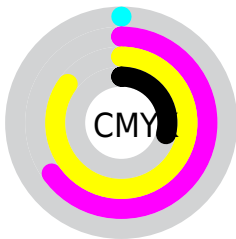
Distribution



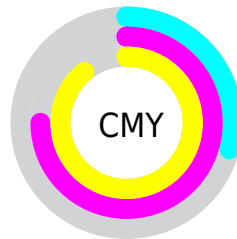
- Red (71%)
- Green (25%)
- Blue (11%)



- Red (71%)
- Yellow (29%)
- Blue (11%)



- Cyan (0%)
- Magenta (65%)
- Yellow (85%)
- Black (29%)





- Cyan (29%)
- Magenta (75%)
- Yellow (89%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4626, 0.5673, 0.3629 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 13.4626, 0.5673, 0.3629 by changing the saturation by 10% instead.


 13.4626, 0.5673,
0.3629


 13.4626, 0.5673,
0.3629


213.8615, 0.4205,
0.3594


 7.7479, 0.6058,
0.3537


 32.1324, 0.5110,
0.3677


 3.9340, 0.6616,
0.3384

 45.8562, 0.4905,
0.3674


 1.6367, 0.7070,
0.2930

 63.0186, 0.4735,
0.3664

 0.3822, 0.8141,
0.1859

 84.0038, 0.4593,
0.3651

 0.0000, 1.0000,
0.0000


 109.1963, 0.4473,
0.3636


 0.0000, 0.0000,
0.0000


 138.9805, 0.4371,


0.3622


 173.7408, 0.4282,
0.3608

 13.4626, 0.5673,
0.3629


 13.4626, 0.5673,
0.3629


 12.0460, 0.5979,
0.3564


 15.3251, 0.5298,
0.3656

 11.4370, 0.6119,
0.3523

 17.6665, 0.4898,
0.3647

 20.5189, 0.4512,
0.3612

 23.9110, 0.4162,
0.3559

 27.8692, 0.3857,
0.3499

■ 32.4181, 0.3597,
0.3436

■ 37.5810, 0.3380,
0.3374

■ 43.3797, 0.3199,
0.3315

■ 49.8350, 0.3048,
0.3261

Harmonies

Analogous

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



13.4626, 0.5247, 0.2867



13.4626, 0.5673, 0.3629



13.4626, 0.5208, 0.4492

Triad

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



13.4626, 0.5673, 0.3629



13.4626, 0.2034, 0.4917



13.4626, 0.1703, 0.1497

Complementary

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



13.4626, 0.5673, 0.3629



24.1539, 0.2108, 0.2665

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.



13.4626, 0.1224, 0.1594



13.4626, 0.5673, 0.3629



13.4626, 0.1330, 0.3240

Square

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



13.4626, 0.5673, 0.3629



13.4626, 0.3110, 0.5838



13.4626, 0.1098, 0.2098



13.4626, 0.2630, 0.1703

Rectangle

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



13.4626, 0.5673, 0.3629



13.4626, 0.4600, 0.5119



13.4626, 0.1098, 0.2098



13.4626, 0.1499, 0.1493

Sweetspot

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



13.4634, 0.5673, 0.3629



57.2755, 0.3619, 0.3441



12.7905, 0.3718, 0.1917



11.7519, 0.3705, 0.3463



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.4634, 0.5673, 0.3629



20.1978, 0.6145, 0.3503



27.9897, 0.4617, 0.4565



8.8100, 0.3282, 0.3343



7.9728, 0.6099, 0.3540



0.3396, 0.5564, 0.3964

Inverse Universe

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



24.1539, 0.2108, 0.2665



39.0122, 0.2034, 0.2523



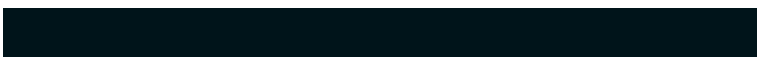
8.1376, 0.1736, 0.1273



9.2956, 0.2986, 0.3237



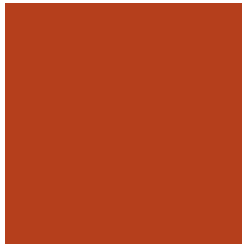
15.2630, 0.2041, 0.2547



0.5611, 0.2105, 0.2777

Previews

White Background



This preview shows how the Yxy color 13.4626, 0.5673, 0.3629 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 13.4626, 0.5673, 0.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

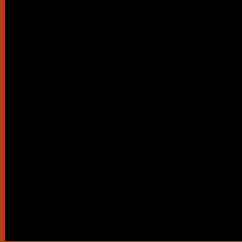
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4626, 0.5673, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 13.4626, 0.5673, 0.3629.



This preview shows how white text looks on a background with the Yxy color 13.4626, 0.5673, 0.3629.

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

13.4626, 0.5673, 0.3629

Protanopia

13.7536, 0.4156, 0.4571

Deuteranopia

13.5848, 0.4661, 0.4592



Tritanopia

13.4319, 0.5263, 0.3250

Trichromacy



Original Color

13.4626, 0.5673, 0.3629

Protanomaly

12.8357, 0.4776, 0.4177

Deuteranomaly

12.9270, 0.5101, 0.4188

Tritanomaly

13.4071, 0.5458, 0.3406

Monochromacy



Original Color

13.4626, 0.5673, 0.3629

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0643, 0.4114, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4626, 0.5673, 0.3629 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(181, 63, 28)` looks like.

```
.text, #text, p{  
  color:rgb(181, 63, 28)  
}
```

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(181, 63, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 63, 28) }
```

Border

The CSS property to change the border of an element to Yxy 13.4626, 0.5673, 0.3629 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(181, 63, 28) }
```

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

```
.border{ border-color:rgb(181, 63, 28) }
```

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

Here you see how a box with a 4 pixel rgb(181, 63, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 63, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 63, 28);  
box-shadow:4px 4px 4px 4px rgb(181, 63,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4626, 0.5673, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 63, 28) }
```

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

```
.background{ background-color: rgb(181, 63,  
28) }
```

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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