

Converting Colors

$Y_{xy}(13.5913, 0.5337, 0.4042)$

Have a look what the booklet for
Yxy(13.5913, 0.5337, 0.4042)
contains.

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Color

Yxy(13.5979, 0.5331, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	A2510E
RGB	162, 81, 14
RGB Percent	64%, 32%, 5%
CMY	0.3647, 0.6823, 0.9449
CMYK	0.00, 0.50, 0.91, 0.36
HSL	27°, 84%, 35%
HSV	27°, 91%, 64%
XYZ	17.9210, 13.5979, 2.0977
YIQ	97.5810, 69.7830, -3.6650

Conversions

Conversions Part 2

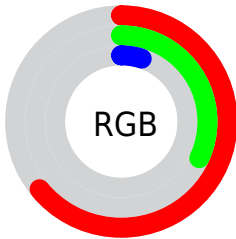
Format	Color
RYB	162, 136, 14
Decimal	10637582
CIELab	43.65, 29.60, 49.23
CIELCh	44, 57.442, 58.987
Yxy	13.5979, 0.5331, 0.4045
Android (android.graphics.Color)	4288827662 (0xFFA2510E)
YUV	97.5810, -41.2054, 56.4955
Hunter-Lab	36.8753, 22.2171, 22.4400

Details

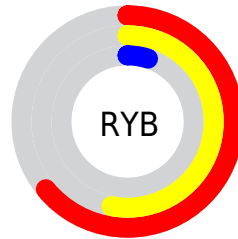
The Yxy color **13.5979, 0.5331, 0.4045** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.8943, 0.1881, 0.1898**, and the grayscale version is **12.1982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4255, 0.4852, 0.3997**, and **4.0308, 0.5826, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **12.4866, 0.5530, 0.3991**, and if you desaturate by 10%, it is **15.0672, 0.5074, 0.4071**.

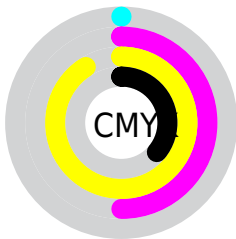
Distribution



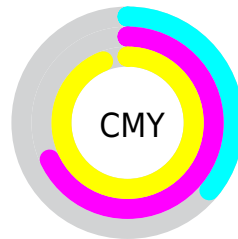
- Red (64%)
- Green (32%)
- Blue (5%)



- Red (64%)
- Yellow (53%)
- Blue (5%)



- Cyan (0%)
- Magenta (50%)
- Yellow (91%)
- Black (36%)




- Cyan (36%)
- Magenta (68%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5979, 0.5331, 0.4045 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 13.5979, 0.5331, 0.4045 by changing the saturation by 10% instead.


 13.5979, 0.5331,
0.4045


 13.5979, 0.5331,
0.4045


214.7148, 0.4081,
0.3753

 7.8415, 0.5652,
0.4032


 32.3738, 0.4862,
0.3991


 3.9937, 0.6055,
0.3945

 46.1622, 0.4687,
0.3952


 1.6700, 0.6397,
0.3603

 63.3967, 0.4541,
0.3912

 0.4042, 0.7375,
0.2625

 84.4617, 0.4419,
0.3875

 0.0000, 1.0000,
0.0000


 109.7416, 0.4315,
0.3840


 0.0000, 0.0000,
0.0000


 139.6208, 0.4226,

0.3808

 174.4838, 0.4149,
0.3779


 13.5979, 0.5331,
0.4045


 13.5979, 0.5331,
0.4045


 12.4866, 0.5530,
0.3991

 15.0672, 0.5074,
0.4071

 16.7569, 0.4790,
0.4046

 18.6793, 0.4497,
0.3980

 20.8449, 0.4213,
0.3885

 23.2635, 0.3948,
0.3773

■ 25.9441, 0.3709,
0.3653

■ 28.8951, 0.3496,
0.3533

■ 32.1247, 0.3309,
0.3415

■ 35.6405, 0.3147,
0.3304

Harmonies

Analogous

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



13.5979, 0.5330, 0.3283



13.5979, 0.5331, 0.4045



13.5979, 0.4679, 0.4865

Triad

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



13.5979, 0.5331, 0.4045



13.5979, 0.1779, 0.3997



13.5979, 0.2198, 0.1699

Complementary

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



13.5979, 0.5331, 0.4045



10.8943, 0.1881, 0.1898

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.



13.5979, 0.1550, 0.1650



13.5979, 0.5331, 0.4045



13.5979, 0.1328, 0.2682

Square

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



13.5979, 0.5331, 0.4045



13.5979, 0.2650, 0.5275



13.5979, 0.1272, 0.1931



13.5979, 0.3259, 0.2027

Rectangle

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



13.5979, 0.5331, 0.4045



13.5979, 0.4048, 0.5341



13.5979, 0.1272, 0.1931



13.5979, 0.1936, 0.1651

Sweetspot

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



13.5986, 0.5331, 0.4045



49.0859, 0.3625, 0.3607



8.8301, 0.4547, 0.2342



10.6459, 0.3696, 0.3646



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



13.5986, 0.5331, 0.4045



22.2719, 0.5560, 0.3967



31.0202, 0.4251, 0.4951



7.5892, 0.3274, 0.3392



9.9225, 0.5516, 0.4002



0.3025, 0.4934, 0.4464

Inverse Universe

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



10.8943, 0.1881, 0.1898



17.1952, 0.1813, 0.1725



3.2555, 0.1562, 0.0729



7.4724, 0.2987, 0.3186



7.7295, 0.1825, 0.1769



0.2553, 0.1994, 0.2379

Previews

White Background



This preview shows how the Yxy color 13.5979, 0.5331, 0.4045 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 13.5979, 0.5331, 0.4045 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 13.5979, 0.5331, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 13.5979, 0.5331, 0.4045.



This preview shows how white text looks on a background with the Yxy color 13.5979, 0.5331, 0.4045.

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

13.5979, 0.5331, 0.4045

Protanopia

13.7367, 0.4303, 0.4759

Deuteranopia

13.5607, 0.4704, 0.4647



Tritanopia

13.5187, 0.4575, 0.3203

Trichromacy



Original Color

13.5979, 0.5331, 0.4045

Protanomaly

13.3960, 0.4689, 0.4498

Deuteranomaly

13.4160, 0.4943, 0.4418

Tritanomaly

13.3897, 0.4950, 0.3583

Monochromacy



Original Color

13.5979, 0.5331, 0.4045

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.1245, 0.3998, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5979, 0.5331, 0.4045 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(162, 81, 14)` looks like.

```
.text, #text, p{  
    color:rgb(162, 81, 14)  
}
```

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(162, 81, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 81, 14) }
```

Border

The CSS property to change the border of an element to Yxy 13.5979, 0.5331, 0.4045 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(162, 81, 14) }
```

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

```
.border{ border-color:rgb(162, 81, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 81, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 81, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 81, 14);  
box-shadow:4px 4px 4px 4px rgb(162, 81,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5979, 0.5331, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 81, 14) }
```

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

```
.background{ background-color: rgb(162, 81,  
14) }
```

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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