

Converting Colors

$Y_{xy}(14.2348, 0.5514, 0.3581)$

Have a look what the booklet for
Yxy(14.2348, 0.5514, 0.3581)
contains.

Yxy(14.2348, 0.5514, 0.3581)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.2348, 0.5514, 0.3581)

Conversions

Conversions Part 1

Format	Color
Hex	B74328
RGB	183, 67, 40
RGB Percent	72%, 26%, 16%
CMY	0.2823, 0.7372, 0.8432
CMYK	0.00, 0.63, 0.78, 0.28
HSL	11°, 64%, 44%
HSV	11°, 78%, 72%
XYZ	21.9187, 14.2348, 3.5975
YIQ	98.6060, 77.8030, 16.1950

Conversions

Conversions Part 2

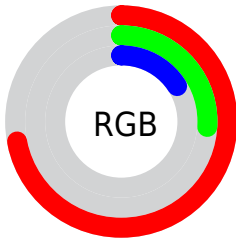
Format	Color
RYB	183, 73, 40
Decimal	12010280
CIELab	44.57, 45.55, 40.25
CIElCh	45, 60.785, 41.467
Yxy	14.2348, 0.5514, 0.3581
Android (android.graphics.Color)	4290200360 (0xFFB74328)
YUV	98.6060, -28.8928, 74.0135
Hunter-Lab	37.7290, 37.6736, 20.7570

Details

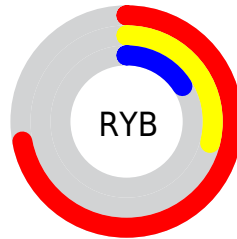
The Yxy color **14.2348, 0.5514, 0.3581** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **27.6362, 0.2175, 0.2821**, and the grayscale version is **12.4326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5335, 0.4973, 0.3618**, and **4.3195, 0.6353, 0.3337** is the 20% darker color. If you saturate the color by 10%, you get **12.5949, 0.5877, 0.3541**, and if you desaturate by 10%, it is **16.3875, 0.5103, 0.3588**.

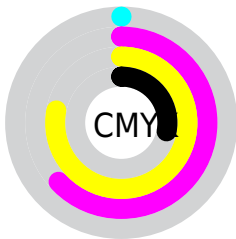
Distribution



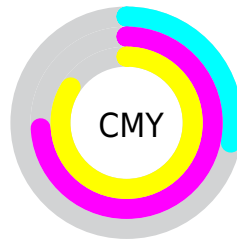
- Red (72%)
- Green (26%)
- Blue (16%)



- Red (72%)
- Yellow (29%)
- Blue (16%)



- Cyan (0%)
- Magenta (63%)
- Yellow (78%)
- Black (28%)





- Cyan (28%)
- Magenta (74%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2348, 0.5514, 0.3581 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 14.2348, 0.5514, 0.3581 by changing the saturation by 10% instead.


 14.2348, 0.5514,
0.3581


 14.2348, 0.5514,
0.3581


218.6867, 0.4128,
0.3544


 8.2842, 0.5894,
0.3510


 33.5051, 0.4974,
0.3616


 4.2773, 0.6479,
0.3404

 47.5935, 0.4780,
0.3612


 1.8299, 0.6985,
0.3015

 65.1633, 0.4621,
0.3603

 0.5057, 0.7842,
0.2158

 86.5988, 0.4489,
0.3591

 0.0000, 1.0000,
0.0000

 112.2846, 0.4377,
0.3579

 0.0000, 0.0000,
0.0000

 142.6048, 0.4282,

0.3567

177.9441, 0.4200,
0.3555

14.2348, 0.5514,
0.3581

14.2348, 0.5514,
0.3581

12.5949, 0.5877,
0.3541

16.3875, 0.5103,
0.3588

11.4183, 0.6151,
0.3474

19.0894, 0.4692,
0.3569

11.2454, 0.6195,
0.3463

22.3765, 0.4312,
0.3530

26.2808, 0.3979,
0.3482

30.8320, 0.3695,
0.3430

■ 36.0577, 0.3458,
0.3378

■ 41.9842, 0.3262,
0.3328

■ 48.6362, 0.3100,
0.3282

■ 56.0371, 0.2965,
0.3239

Harmonies

Analogous

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



14.2348, 0.5011, 0.2846



14.2348, 0.5514, 0.3581



14.2348, 0.5175, 0.4395

Triad

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



14.2348, 0.5514, 0.3581



14.2348, 0.2206, 0.4904



14.2348, 0.1726, 0.1586

Complementary

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



14.2348, 0.5514, 0.3581



27.6362, 0.2175, 0.2821

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.



14.2348, 0.1296, 0.1717



14.2348, 0.5514, 0.3581



14.2348, 0.1482, 0.3391

Square

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



14.2348, 0.5514, 0.3581



14.2348, 0.3249, 0.5649



14.2348, 0.1207, 0.2257



14.2348, 0.2570, 0.1758

Rectangle

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



14.2348, 0.5514, 0.3581



14.2348, 0.4637, 0.4967



14.2348, 0.1207, 0.2257



14.2348, 0.1541, 0.1593

Sweetspot

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



14.2356, 0.5514, 0.3581



59.5350, 0.3576, 0.3405



14.0102, 0.3587, 0.1907



12.4236, 0.3665, 0.3424



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.



14.2356, 0.5514, 0.3581



20.9262, 0.6086, 0.3490



28.3143, 0.4581, 0.4479



9.2796, 0.3283, 0.3334



7.9215, 0.6177, 0.3477



0.3627, 0.5708, 0.3849

Inverse Universe

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



27.6362, 0.2175, 0.2821



45.2566, 0.2092, 0.2704



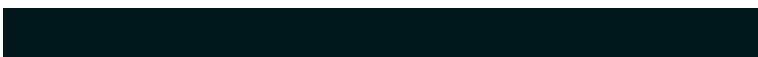
10.4086, 0.1833, 0.1503



9.9143, 0.2985, 0.3246



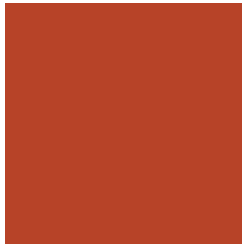
17.3454, 0.2078, 0.2682



0.6869, 0.2127, 0.2855

Previews

White Background



This preview shows how the Yxy color 14.2348, 0.5514, 0.3581 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 14.2348, 0.5514, 0.3581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

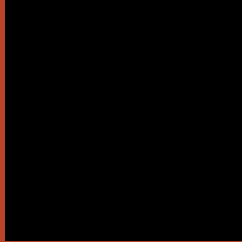
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2348, 0.5514, 0.3581

Background



This preview shows how black text looks on a background with the Yxy color 14.2348, 0.5514, 0.3581.



This preview shows how white text looks on a background with the Yxy color 14.2348, 0.5514, 0.3581.

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

14.2348, 0.5514, 0.3581

Protanopia

14.3986, 0.4027, 0.4385

Deuteranopia

14.3928, 0.4516, 0.4460



Tritanopia

14.2624, 0.5169, 0.3260

Trichromacy



Original Color

14.2348, 0.5514, 0.3581

Protanomaly

13.6103, 0.4611, 0.4050

Deuteranomaly

13.8396, 0.4922, 0.4098

Tritanomaly

14.2663, 0.5319, 0.3388

Monochromacy



Original Color

14.2348, 0.5514, 0.3581

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1123, 0.4007, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2348, 0.5514, 0.3581 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(183, 67, 40)` looks like.

```
.text, #text, p{  
    color:rgb(183, 67, 40)  
}
```

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(183, 67, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 67, 40) }
```

Border

The CSS property to change the border of an element to Yxy 14.2348, 0.5514, 0.3581 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(183, 67, 40) }
```

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

```
.border{ border-color:rgb(183, 67, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 67, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 67, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 67, 40);  
box-shadow:4px 4px 4px 4px rgb(183, 67,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2348, 0.5514, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 67, 40) }
```

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

```
.background{ background-color: rgb(183, 67,  
40) }
```

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