

Converting Colors

$Yxy(14.3630, 0.5714, 0.3575)$

Have a look what the booklet for
Yxy(14.3630, 0.5714, 0.3575)
contains.

Yxy(14.3630, 0.5714, 0.3575)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.3630, 0.5714, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	BD3E1F
RGB	189, 62, 31
RGB Percent	74%, 24%, 12%
CMY	0.2588, 0.7568, 0.8786
CMYK	0.00, 0.67, 0.84, 0.26
HSL	12°, 72%, 43%
HSV	12°, 84%, 74%
XYZ	22.9567, 14.3630, 2.8565
YIQ	96.4390, 85.6430, 17.2830

Conversions

Conversions Part 2

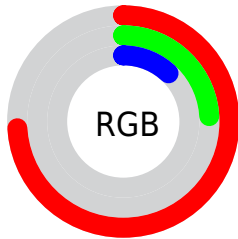
Format	Color
R_{YB}	189, 70, 31
Decimal	12402207
CIE Lab	44.75, 49.53, 45.31
CIE LCh	45, 67.132, 42.452
Yxy	14.3630, 0.5714, 0.3575
Android (android.graphics.Color)	4290592287 (0xFFBD3E1F)
YUV	96.4390, -32.2614, 81.1760
Hunter-Lab	37.8985, 41.8023, 22.0601

Details

The Yxy color **14.3630, 0.5714, 0.3575** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **28.4081, 0.2136, 0.2762**, and the grayscale version is **11.8741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7363, 0.5152, 0.3639**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8644, 0.6029, 0.3515**, and if you desaturate by 10%, it is **16.3833, 0.5325, 0.3601**.

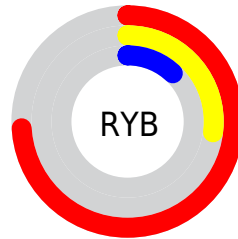
Distribution



Red (74%)

Green (24%)

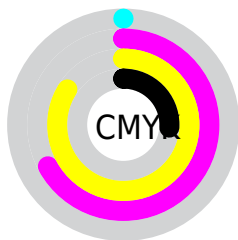
Blue (12%)



Red (74%)

Yellow (27%)

Blue (12%)

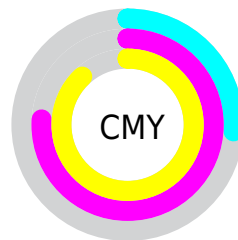


Cyan (0%)

Magenta (67%)

Yellow (84%)

Black (26%)



Cyan (26%)


Magenta (76%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3630, 0.5714, 0.3575 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 14.3630, 0.5714, 0.3575 by changing the saturation by 10% instead.


 14.3630, 0.5714,
0.3575


 14.3630, 0.5714,
0.3575


219.4775, 0.4235,
0.3574


 8.3736, 0.6098,
0.3478


 33.7317, 0.5150,
0.3635


 4.3349, 0.6670,
0.3330

 47.8798, 0.4943,
0.3637


 1.8626, 0.7113,
0.2887

 65.5163, 0.4772,
0.3631

 0.5258, 0.7951,
0.2049

 87.0255, 0.4629,
0.3622

 0.0000, 1.0000,
0.0000


 112.7918, 0.4507,
0.3610


 0.0000, 0.0000,
0.0000


 143.1997, 0.4403,


0.3598

 178.6334, 0.4313,
0.3586


 14.3630, 0.5714,
0.3575


 14.3630, 0.5714,
0.3575


 12.8644, 0.6029,
0.3515


 16.3833, 0.5325,
0.3601

 12.1497, 0.6185,
0.3471

 18.9668, 0.4911,
0.3594

 22.1532, 0.4513,
0.3564

 25.9781, 0.4154,
0.3518

 30.4741, 0.3844,
0.3466

■ 35.6716, 0.3582,
0.3411

■ 41.5990, 0.3365,
0.3358

■ 48.2833, 0.3184,
0.3307

■ 55.7500, 0.3035,
0.3261

Harmonies

Analogous

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



14.3630, 0.5226, 0.2813



14.3630, 0.5714, 0.3575



14.3630, 0.5276, 0.4440

Triad

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



14.3630, 0.5714, 0.3575



14.3630, 0.2069, 0.5046



14.3630, 0.1643, 0.1471

Complementary

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



14.3630, 0.5714, 0.3575



28.4081, 0.2136, 0.2762

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.



14.3630, 0.1185, 0.1587



14.3630, 0.5714, 0.3575



14.3630, 0.1332, 0.3327

Square

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



14.3630, 0.5714, 0.3575



14.3630, 0.3167, 0.5893



14.3630, 0.1076, 0.2124



14.3630, 0.2551, 0.1663

Rectangle

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



14.3630, 0.5714, 0.3575



14.3630, 0.4671, 0.5080



14.3630, 0.1076, 0.2124



14.3630, 0.1447, 0.1473

Sweetspot

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



14.3638, 0.5714, 0.3575



62.1285, 0.3626, 0.3421



14.3368, 0.3626, 0.1868



12.6432, 0.3715, 0.3440



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



14.3638, 0.5714, 0.3575



21.4965, 0.6208, 0.3453



29.3716, 0.4673, 0.4506



9.8316, 0.3284, 0.3336



8.2617, 0.6166, 0.3486



0.4156, 0.5717, 0.3843

Inverse Universe

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



28.4081, 0.2136, 0.2762



46.3883, 0.2066, 0.2636



9.8520, 0.1765, 0.1370



10.4825, 0.2985, 0.3244



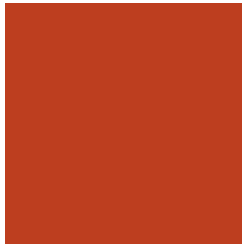
17.6642, 0.2071, 0.2656



0.7747, 0.2118, 0.2824

Previews

White Background



This preview shows how the Yxy color 14.3630, 0.5714, 0.3575 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 14.3630, 0.5714, 0.3575 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 14.3630, 0.5714, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 14.3630, 0.5714, 0.3575.



This preview shows how white text looks on a background with the Yxy color 14.3630, 0.5714, 0.3575.

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

14.3630, 0.5714, 0.3575

Protanopia

14.6117, 0.4116, 0.4521

Deuteranopia

14.4927, 0.4648, 0.4572



Tritanopia

14.4229, 0.5357, 0.3264

Trichromacy



Original Color

14.3630, 0.5714, 0.3575

Protanomaly

13.5579, 0.4747, 0.4123

Deuteranomaly

13.8391, 0.5111, 0.4146

Tritanomaly

14.4179, 0.5511, 0.3389

Monochromacy



Original Color

14.3630, 0.5714, 0.3575

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5544, 0.4136, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3630, 0.5714, 0.3575 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(189, 62, 31)` looks like.

```
.text, #text, p{  
    color:rgb(189, 62, 31)  
}
```

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(189, 62, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 62, 31) }
```

Border

The CSS property to change the border of an element to Yxy 14.3630, 0.5714, 0.3575 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(189, 62, 31) }
```

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

```
.border{ border-color:rgb(189, 62, 31) }
```

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

Here you see how a box with a 4 pixel rgb(189, 62, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 62, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 62, 31);  
box-shadow:4px 4px 4px 4px rgb(189, 62,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3630, 0.5714, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 62, 31) }
```

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

```
.background{ background-color: rgb(189, 62,  
31) }
```

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