

Converting Colors

$Y_{xy}(14.4632, 0.6179, 0.3476)$

Have a look what the booklet for
Yxy(14.4632, 0.6179, 0.3476)
contains.

Yxy(14.4933, 0.6175, 0.3479)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.4933, 0.6175, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	CC2A00
RGB	204, 42, 0
RGB Percent	80%, 16%, 0%
CMY	0.2001, 0.8350, 1.0000
CMYK	0.00, 0.79, 1.00, 0.20
HSL	12°, 100%, 40%
HSV	12°, 100%, 80%
XYZ	25.7247, 14.4933, 1.4414
YIQ	85.6500, 110.0340, 21.2820

Conversions

Conversions Part 2

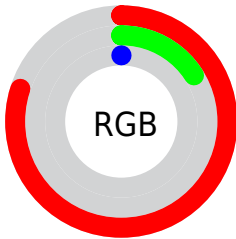
Format	Color
RYB	204, 53, 0
Decimal	13380096
CIELab	44.93, 60.79, 57.74
CIElCh	45, 83.841, 43.529
Yxy	14.4933, 0.6175, 0.3479
Android (android.graphics.Color)	4291570176 (0xFFCC2A00)
YUV	85.6500, -42.2254, 103.7930
Hunter-Lab	38.0701, 53.9932, 24.4042

Details

The Yxy color **14.4933, 0.6175, 0.3479** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.1673, 0.2058, 0.2609**, and the grayscale version is **9.3082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0386, 0.5501, 0.3657**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.4942, 0.6175, 0.3479**, and if you desaturate by 10%, it is **15.9376, 0.5920, 0.3554**.

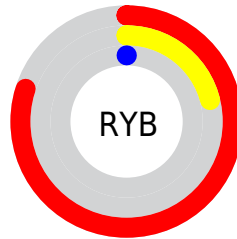
Distribution



Red (80%)

Green (16%)

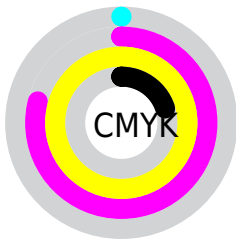
Blue (0%)



Red (80%)

Yellow (21%)

Blue (0%)

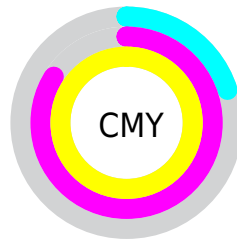


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (84%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4933, 0.6175, 0.3479 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 14.4933, 0.6175, 0.3479 by changing the saturation by 10% instead.


 14.4933, 0.6175,
0.3479


 14.4933, 0.6175,
0.3479


 220.2784, 0.4509,
0.3629


 8.4646, 0.6597,
0.3334


 33.9618, 0.5579,
0.3625

 4.3936, 0.6979,
0.3021

 48.1703, 0.5347,
0.3651

 1.8961, 0.7458,
0.2542

 65.8742, 0.5151,
0.3660

 0.5460, 0.8275,
0.1725

 87.4579, 0.4983,
0.3661


 0.0000, 1.0000,
0.0000

 113.3058, 0.4838,
0.3656

 0.0000, 0.0000,
0.0000

 143.8023, 0.4714,


0.3649

 179.3317, 0.4605,
0.3639


 14.4933, 0.6175,
0.3479


 14.4933, 0.6175,
0.3479


 14.4942, 0.6175,
0.3479

 15.9376, 0.5920,
0.3554

 17.9497, 0.5576,
0.3604

 20.5930, 0.5175,
0.3619

 23.9163, 0.4765,
0.3601

 27.9635, 0.4380,
0.3563

■ 32.7746, 0.4038,
0.3511

■ 38.3867, 0.3746,
0.3454

■ 44.8346, 0.3500,
0.3397

■ 52.1506, 0.3296,
0.3342

Harmonies

Analogous

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



14.4933, 0.5742, 0.2685



14.4933, 0.6175, 0.3479



14.4933, 0.5521, 0.4479

Triad

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



14.4933, 0.6175, 0.3479



14.4933, 0.1743, 0.5489



14.4933, 0.1425, 0.1208

Complementary

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



14.4933, 0.6175, 0.3479



30.1673, 0.2058, 0.2609

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.



14.4933, 0.0928, 0.1298



14.4933, 0.6175, 0.3479



14.4933, 0.0996, 0.3193

Square

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



14.4933, 0.6175, 0.3479



14.4933, 0.2944, 0.6524



14.4933, 0.0787, 0.1824



14.4933, 0.2462, 0.1427

Rectangle

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



14.4933, 0.6175, 0.3479



14.4933, 0.4724, 0.5276



14.4933, 0.0787, 0.1824



14.4933, 0.1211, 0.1202

Sweetspot

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



14.4942, 0.6175, 0.3479



63.2011, 0.3756, 0.3457



15.4845, 0.3795, 0.1864



12.6470, 0.3876, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



14.4942, 0.6175, 0.3479



23.7687, 0.6194, 0.3464



32.4132, 0.4849, 0.4532



11.5822, 0.3285, 0.3338



9.2345, 0.6153, 0.3496



0.5881, 0.5774, 0.3797

Inverse Universe

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



30.1673, 0.2058, 0.2609



49.6551, 0.2055, 0.2599



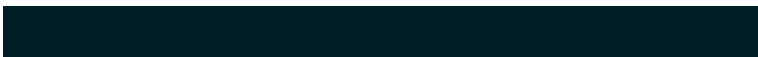
7.7164, 0.1607, 0.0986



12.3188, 0.2983, 0.3241



19.1297, 0.2061, 0.2619



1.0885, 0.2101, 0.2765

Previews

White Background



This preview shows how the Yxy color 14.4933, 0.6175, 0.3479 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 14.4933, 0.6175, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

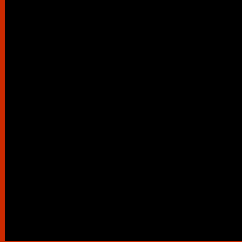
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4933, 0.6175, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 14.4933, 0.6175, 0.3479.



This preview shows how white text looks on a background with the Yxy color 14.4933, 0.6175, 0.3479.

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

14.4933, 0.6175, 0.3479

Protanopia

14.8560, 0.4286, 0.4747

Deuteranopia

14.6536, 0.4688, 0.4660



Tritanopia

14.5014, 0.5932, 0.3305

Trichromacy



Original Color

14.4933, 0.6175, 0.3479

Protanomaly

12.9544, 0.5154, 0.4168

Deuteranomaly

13.2109, 0.5391, 0.4101

Tritanomaly

14.4934, 0.6056, 0.3393

Monochromacy



Original Color

14.4933, 0.6175, 0.3479

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.3233, 0.4582, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4933, 0.6175, 0.3479 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(204, 42, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 42, 0)  
}
```

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(204, 42, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 42, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.4933, 0.6175, 0.3479 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(204, 42, 0) }
```

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

```
.border{ border-color:rgb(204, 42, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 42, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 42, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 42, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 42, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.4933, 0.6175, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 42, 0) }
```

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

```
.background{ background-color: rgb(204, 42,  
0) }
```

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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