

Converting Colors

$Y_{xy}(15.2782, 0.6179, 0.3476)$

Have a look what the booklet for
Yxy(15.2782, 0.6179, 0.3476)
contains.

Yxy(15.2831, 0.6178, 0.3477)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.2831, 0.6178, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	D12B00
RGB	209, 43, 0
RGB Percent	82%, 17%, 0%
CMY	0.1804, 0.8312, 1.0000
CMYK	0.00, 0.79, 1.00, 0.18
HSL	12°, 100%, 41%
HSV	12°, 100%, 82%
XYZ	27.1553, 15.2831, 1.5164
YIQ	87.7320, 112.7390, 21.8190

Conversions

Conversions Part 2

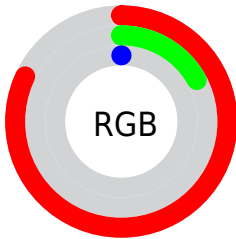
Format	Color
R _Y B	209, 54, 0
Decimal	13708032
CIE Lab	46.02, 61.99, 58.81
CIE LCh	46, 85.447, 43.494
Yxy	15.2831, 0.6178, 0.3477
Android (android.graphics.Color)	4291898112 (0xFFD12B00)
YUV	87.7320, -43.2519, 106.3520
Hunter-Lab	39.0936, 55.5763, 25.0657

Details

The Yxy color **15.2831, 0.6178, 0.3477** 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 **31.8543, 0.2058, 0.2608**, and the grayscale version is **9.7798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4462, 0.5474, 0.3670**, and **6.0197, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.2842, 0.6178, 0.3477**, and if you desaturate by 10%, it is **16.8010, 0.5925, 0.3552**.

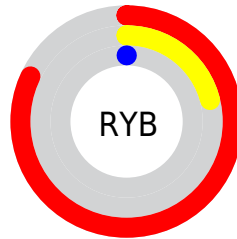
Distribution



Red (82%)

Green (17%)

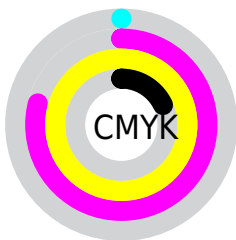
Blue (0%)



Red (82%)

Yellow (21%)

Blue (0%)

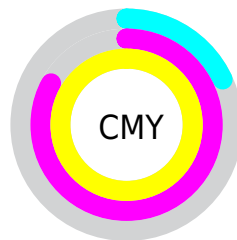


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (83%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2831, 0.6178, 0.3477 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 15.2831, 0.6178, 0.3477 by changing the saturation by 10% instead.


 15.2831, 0.6178,
0.3477


 15.2831, 0.6178,
0.3477


 225.0734, 0.4525,
0.3630


 9.0183, 0.6584,
0.3331


 35.3491, 0.5591,
0.3623


 4.7531, 0.6968,
0.3032

 49.9190, 0.5361,
0.3649

 2.1032, 0.7431,
0.2569

 68.0262, 0.5166,
0.3659

 0.6664, 0.8151,
0.1849

 90.0549, 0.4999,
0.3661

 0.0000, 1.0000,
0.0000


 116.3896, 0.4855,
0.3656


 0.0000, 0.0000,
0.0000


 147.4146, 0.4730,


0.3649


 183.5144, 0.4621,
0.3640


 15.2831, 0.6178,
0.3477


 15.2831, 0.6178,
0.3477


 15.2842, 0.6178,
0.3477

 16.8010, 0.5925,
0.3552

 18.9199, 0.5582,
0.3604

 21.7070, 0.5180,
0.3618

 25.2143, 0.4769,
0.3601

 29.4883, 0.4383,
0.3563

■ 34.5718, 0.4040,
0.3511

■ 40.5040, 0.3747,
0.3454

■ 47.3217, 0.3501,
0.3397

■ 55.0595, 0.3296,
0.3342

Harmonies

Analogous

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



15.2831, 0.5744, 0.2683



15.2831, 0.6178, 0.3477



15.2831, 0.5523, 0.4477

Triad

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



15.2831, 0.6178, 0.3477



15.2831, 0.1742, 0.5495



15.2831, 0.1423, 0.1206

Complementary

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



15.2831, 0.6178, 0.3477



31.8543, 0.2058, 0.2608

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.



15.2831, 0.0926, 0.1297



15.2831, 0.6178, 0.3477



15.2831, 0.0994, 0.3195

Square

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



15.2831, 0.6178, 0.3477



15.2831, 0.2944, 0.6528



15.2831, 0.0785, 0.1823



15.2831, 0.2459, 0.1425

Rectangle

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



15.2831, 0.6178, 0.3477



15.2831, 0.4726, 0.5274



15.2831, 0.0785, 0.1823



15.2831, 0.1209, 0.1200

Sweetspot

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



15.2842, 0.6178, 0.3477



63.1922, 0.3756, 0.3456



16.3503, 0.3796, 0.1865



12.6450, 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.



15.2842, 0.6178, 0.3477



23.7627, 0.6194, 0.3464



34.2007, 0.4850, 0.4531



12.1971, 0.3285, 0.3339



9.5402, 0.6155, 0.3495



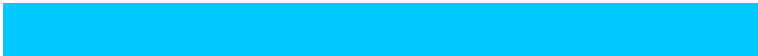
0.6497, 0.5800, 0.3777

Inverse Universe

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



31.8543, 0.2058, 0.2608



49.6863, 0.2056, 0.2600



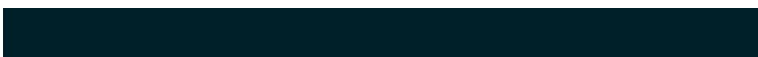
8.1242, 0.1607, 0.0984



12.9763, 0.2983, 0.3241



19.7882, 0.2061, 0.2619



1.2132, 0.2099, 0.2756

Previews

White Background



This preview shows how the Yxy color 15.2831, 0.6178, 0.3477 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 15.2831, 0.6178, 0.3477 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 15.2831, 0.6178, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 15.2831, 0.6178, 0.3477.



This preview shows how white text looks on a background with the Yxy color 15.2831, 0.6178, 0.3477.

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

15.2831, 0.6178, 0.3477

Protanopia

15.5071, 0.4295, 0.4736

Deuteranopia

15.5921, 0.4690, 0.4658



Tritanopia

15.2261, 0.5943, 0.3298

Trichromacy



Original Color

15.2831, 0.6178, 0.3477

Protanomaly

13.6615, 0.5159, 0.4161

Deuteranomaly

13.9271, 0.5394, 0.4099

Tritanomaly

15.2114, 0.6073, 0.3388

Monochromacy



Original Color

15.2831, 0.6178, 0.3477

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.8258, 0.4588, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2831, 0.6178, 0.3477 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(209, 43, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 43, 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(209, 43, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 43, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.2831, 0.6178, 0.3477 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(209, 43, 0) }
```

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

```
.border{ border-color:rgb(209, 43, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 43, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 43, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 43, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 43, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2831, 0.6178, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 43, 0) }
```

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

```
.background{ background-color: rgb(209, 43,  
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](#).

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