

Converting Colors

$Y_{xy}(18.3289, 0.5848, 0.3645)$

Have a look what the booklet for
Yxy(18.3289, 0.5848, 0.3645)
contains.

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Color

Yxy(18.2970, 0.5850, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	D44512
RGB	212, 69, 18
RGB Percent	83%, 27%, 7%
CMY	0.1686, 0.7294, 0.9297
CMYK	0.00, 0.67, 0.92, 0.17
HSL	16°, 84%, 45%
HSV	16°, 92%, 83%
XYZ	29.3897, 18.2970, 2.5521
YIQ	105.9430, 101.5990, 14.4550

Conversions

Conversions Part 2

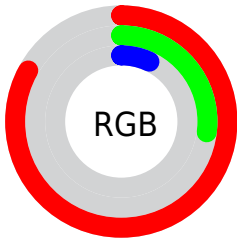
Format	Color
R_{YB}	212, 87, 18
Decimal	13911314
CIE Lab	49.85, 54.25, 56.30
CIE LCh	50, 78.190, 46.063
Yxy	18.2970, 0.5850, 0.3642
Android (android.graphics.Color)	4292101394 (0xFFD44512)
YUV	105.9430, -43.3559, 93.0120
Hunter-Lab	42.7750, 47.7871, 26.4050

Details

The Yxy color **18.2970, 0.5850, 0.3642** 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 **30.3504, 0.2037, 0.2487**, and the grayscale version is **14.4957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1175, 0.5171, 0.3769**, and **6.3896, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.8056, 0.6063, 0.3568**, and if you desaturate by 10%, it is **20.5835, 0.5528, 0.3702**.

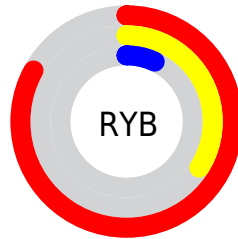
Distribution



Red (83%)

Green (27%)

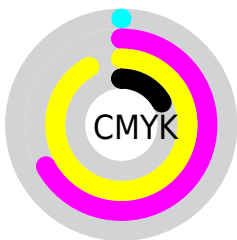
Blue (7%)



Red (83%)

Yellow (34%)

Blue (7%)

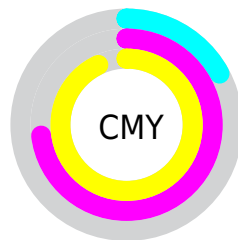


Cyan (0%)

Magenta (67%)

Yellow (92%)

Black (17%)



Cyan (17%)

Magenta (73%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2970, 0.5850, 0.3642 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 18.2970, 0.5850, 0.3642 by changing the saturation by 10% instead.


 18.2970, 0.5850,
0.3642


 18.2970, 0.5850,
0.3642


242.5398, 0.4383,
0.3653


 11.1634, 0.6187,
0.3538


 40.5428, 0.5323,
0.3715


 6.1769, 0.6630,
0.3370

 56.4237, 0.5119,
0.3720


 2.9529, 0.7010,
0.2990

 75.9893, 0.4947,
0.3715

 1.1072, 0.7575,
0.2425

 99.6239, 0.4800,
0.3706

 0.0000, 1.0000,
0.0000

 127.7118, 0.4673,
0.3694

 0.0000, 0.0000,
0.0000


 160.6375, 0.4563,


0.3680


 198.7854, 0.4467,
0.3667

 18.2970, 0.5850,
0.3642


 18.2970, 0.5850,
0.3642

 16.8056, 0.6063,
0.3568

 20.5835, 0.5528,
0.3702

 23.4897, 0.5153,
0.3717

 27.0608, 0.4765,
0.3696


 31.3369, 0.4396,
0.3647

 36.3544, 0.4064,
0.3582

 42.1471, 0.3775,
0.3510

 48.7468, 0.3530,
0.3437

 56.1834, 0.3324,
0.3366

 64.4852, 0.3151,
0.3300

Harmonies

Analogous

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



18.2970, 0.5493, 0.2857



18.2970, 0.5850, 0.3642



18.2970, 0.5260, 0.4564

Triad

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



18.2970, 0.5850, 0.3642



18.2970, 0.1864, 0.4986



18.2970, 0.1650, 0.1393

Complementary

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



18.2970, 0.5850, 0.3642



30.3504, 0.2037, 0.2487

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.



18.2970, 0.1133, 0.1464



18.2970, 0.5850, 0.3642



18.2970, 0.1175, 0.3110

Square

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



18.2970, 0.5850, 0.3642



18.2970, 0.2977, 0.6080



18.2970, 0.0977, 0.1943



18.2970, 0.2660, 0.1626

Rectangle

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



18.2970, 0.5850, 0.3642



18.2970, 0.4575, 0.5260



18.2970, 0.0977, 0.1943



18.2970, 0.1430, 0.1381

Sweetspot

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



18.2981, 0.5850, 0.3642



68.1243, 0.3666, 0.3479



17.0904, 0.3888, 0.1953



13.8639, 0.3754, 0.3505



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.



18.2981, 0.5850, 0.3642



25.2861, 0.6080, 0.3554



40.4097, 0.4644, 0.4640



12.9469, 0.3285, 0.3352



10.5146, 0.6038, 0.3587



0.7700, 0.5694, 0.3861

Inverse Universe

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



30.3504, 0.2037, 0.2487



43.1439, 0.1999, 0.2394



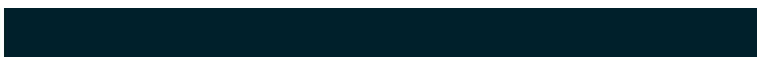
8.8315, 0.1637, 0.1025



13.5291, 0.2982, 0.3227



17.8290, 0.2005, 0.2418



1.2070, 0.2052, 0.2587

Previews

White Background



This preview shows how the Yxy color 18.2970, 0.5850, 0.3642 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 18.2970, 0.5850, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

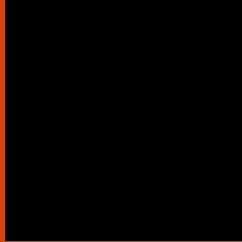
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2970, 0.5850, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 18.2970, 0.5850, 0.3642.



This preview shows how white text looks on a background with the Yxy color 18.2970, 0.5850, 0.3642.

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

18.2970, 0.5850, 0.3642

Protanopia

18.6002, 0.4263, 0.4721

Deuteranopia

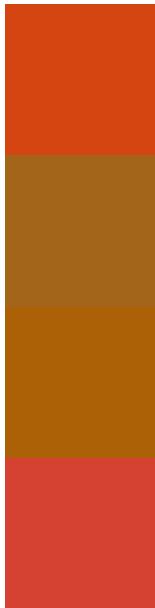
18.3896, 0.4711, 0.4641



Tritanopia

18.3441, 0.5412, 0.3268

Trichromacy



Original Color

18.2970, 0.5850, 0.3642

Protanomaly

17.0633, 0.4931, 0.4262

Deuteranomaly

17.4490, 0.5201, 0.4212

Tritanomaly

18.2729, 0.5632, 0.3435

Monochromacy



Original Color

18.2970, 0.5850, 0.3642

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.3429, 0.4257, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2970, 0.5850, 0.3642 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(212, 69, 18)` looks like.

```
.text, #text, p{  
    color:rgb(212, 69, 18)  
}
```

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(212, 69, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 69, 18) }
```

Border

The CSS property to change the border of an element to Yxy 18.2970, 0.5850, 0.3642 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(212, 69, 18) }
```

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

```
.border{ border-color:rgb(212, 69, 18) }
```

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

Here you see how a box with a 4 pixel rgb(212, 69, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 69, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 69, 18);  
box-shadow:4px 4px 4px 4px rgb(212, 69,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2970, 0.5850, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 69, 18) }
```

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

```
.background{ background-color: rgb(212, 69,  
18) }
```

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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