

Converting Colors

$Y_{xy}(18.2688, 0.5805, 0.3473)$

Have a look what the booklet for
Yxy(18.2688, 0.5805, 0.3473)
contains.

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Color

Yxy(18.1907, 0.5800, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	D83E27
RGB	216, 62, 39
RGB Percent	85%, 24%, 15%
CMY	0.1530, 0.7568, 0.8471
CMYK	0.00, 0.71, 0.82, 0.15
HSL	8°, 69%, 50%
HSV	8°, 82%, 85%
XYZ	30.4052, 18.1907, 3.8269
YIQ	105.4240, 99.1670, 25.4950

Conversions

Conversions Part 2

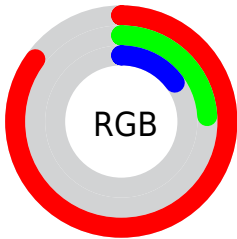
Format	Color
RYB	216, 65, 39
Decimal	14171687
CIELab	49.73, 58.65, 47.81
CIELCh	50, 75.670, 39.184
Yxy	18.1907, 0.5800, 0.3470
Android (android.graphics.Color)	4292361767 (0xFFD83E27)
YUV	105.4240, -32.7470, 96.9752
Hunter-Lab	42.6506, 52.6126, 24.5355

Details

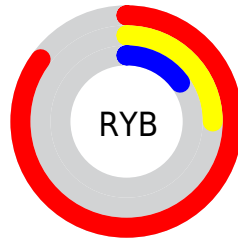
The Yxy color **18.1907, 0.5800, 0.3470** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **43.5054, 0.2190, 0.2951**, and the grayscale version is **14.3211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1418, 0.5063, 0.3590**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.3841, 0.6123, 0.3425**, and if you desaturate by 10%, it is **20.7870, 0.5387, 0.3491**.

Distribution



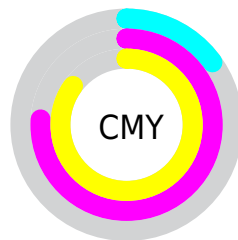
- Red (85%)
- Green (24%)
- Blue (15%)



- Red (85%)
- Yellow (25%)
- Blue (15%)



- Cyan (0%)
- Magenta (71%)
- Yellow (82%)
- Black (15%)





- Cyan (15%)
- Magenta (76%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1907, 0.5800, 0.3470 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 18.1907, 0.5800, 0.3470 by changing the saturation by 10% instead.


 18.1907, 0.5800,
0.3470


 18.1907, 0.5800,
0.3470


241.9437, 0.4323,
0.3538


 11.0870, 0.6166,
0.3368


 40.3620, 0.5251,
0.3551


 6.1254, 0.6665,
0.3209

 56.1984, 0.5046,
0.3563

 2.9215, 0.7145,
0.2855

 75.7144, 0.4874,
0.3566

 1.0909, 0.7726,
0.2274

 99.2946, 0.4729,
0.3565

 0.0000, 1.0000,
0.0000

 127.3232, 0.4605,
0.3560

 0.0000, 0.0000,
0.0000

 160.1846, 0.4498,

0.3553

198.2634, 0.4405,
0.3546

18.1907, 0.5800,
0.3470

18.1907, 0.5800,
0.3470

16.3841, 0.6123,
0.3425

20.7870, 0.5387,
0.3491

15.4332, 0.6297,
0.3382


24.2473, 0.4945,
0.3489


28.6410, 0.4521,
0.3469


34.0292, 0.4144,
0.3438

40.4680, 0.3822,
0.3402

 48.0092, 0.3555,
0.3365

 56.7012, 0.3337,
0.3330

 66.5895, 0.3158,
0.3296

 77.7171, 0.3012,
0.3265

Harmonies

Analogous

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



18.1907, 0.5191, 0.2707



18.1907, 0.5800, 0.3470



18.1907, 0.5412, 0.4338

Triad

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



18.1907, 0.5800, 0.3470



18.1907, 0.2131, 0.5306



18.1907, 0.1528, 0.1418

Complementary

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



18.1907, 0.5800, 0.3470



43.5054, 0.2190, 0.2951

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.



18.1907, 0.1106, 0.1570



18.1907, 0.5800, 0.3470



18.1907, 0.1329, 0.3503

Square

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



18.1907, 0.5800, 0.3470



18.1907, 0.3273, 0.5995



18.1907, 0.1029, 0.2172



18.1907, 0.2400, 0.1582

Rectangle

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



18.1907, 0.5800, 0.3470



18.1907, 0.4807, 0.5000



18.1907, 0.1029, 0.2172



18.1907, 0.1344, 0.1431

Sweetspot

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



18.1918, 0.5800, 0.3470



66.1322, 0.3637, 0.3378



20.0028, 0.3458, 0.1777



13.3222, 0.3732, 0.3391



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.



18.1918, 0.5800, 0.3470



22.6338, 0.6272, 0.3384



35.9667, 0.4789, 0.4384



12.6788, 0.3288, 0.3321



9.2241, 0.6279, 0.3396



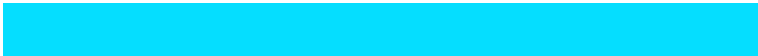
0.6437, 0.6011, 0.3609

Inverse Universe

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



43.5054, 0.2190, 0.2951



59.7458, 0.2134, 0.2874



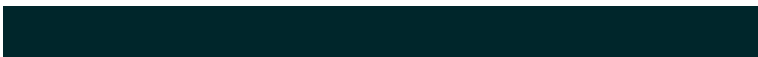
15.8699, 0.1822, 0.1565



13.8192, 0.2983, 0.3259



24.3064, 0.2132, 0.2876



1.5446, 0.2154, 0.2954

Previews

White Background



This preview shows how the Yxy color 18.1907, 0.5800, 0.3470 looks on a white background.

Color Contrast Check

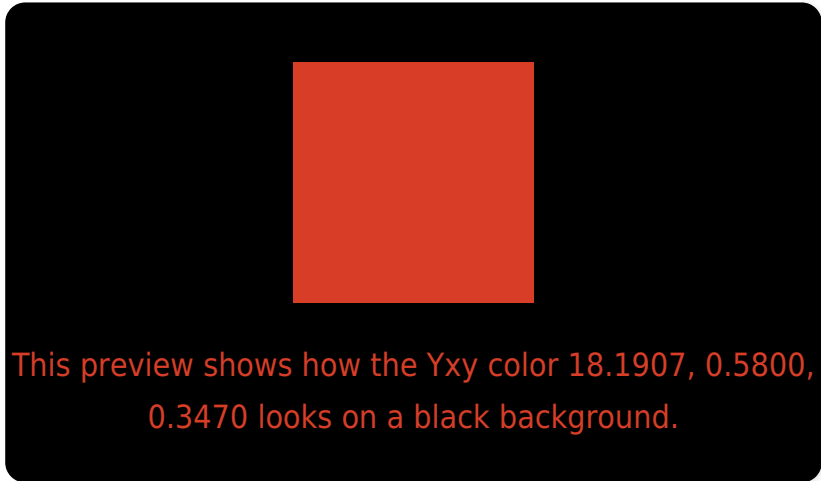
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 18.1907, 0.5800, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 18.1907, 0.5800, 0.3470.



This preview shows how white text looks on a background with the Yxy color 18.1907, 0.5800, 0.3470.

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

18.1907, 0.5800, 0.3470

Protanopia

18.3655, 0.4063, 0.4447

Deuteranopia

18.3561, 0.4617, 0.4548



Tritanopia

18.2274, 0.5573, 0.3272

Trichromacy



Original Color

18.1907, 0.5800, 0.3470

Protanomaly

16.7436, 0.4785, 0.4001

Deuteranomaly

17.0928, 0.5151, 0.4061

Tritanomaly

18.2498, 0.5666, 0.3347

Monochromacy



Original Color

18.1907, 0.5800, 0.3470

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.7586, 0.4178, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1907, 0.5800, 0.3470 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(216, 62, 39)` looks like.

```
.text, #text, p{  
    color:rgb(216, 62, 39)  
}
```

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(216, 62, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 62, 39) }
```

Border

The CSS property to change the border of an element to Yxy 18.1907, 0.5800, 0.3470 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(216, 62, 39) }
```

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

```
.border{ border-color:rgb(216, 62, 39) }
```

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

Here you see how a box with a 4 pixel rgb(216, 62, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 62, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 62, 39);  
box-shadow:4px 4px 4px 4px rgb(216, 62,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1907, 0.5800, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 62, 39) }
```

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

```
.background{ background-color: rgb(216, 62,  
39) }
```

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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