

Converting Colors

$Y_{xy}(19.2952, 0.5647, 0.3582)$

Have a look what the booklet for
Yxy(19.2952, 0.5647, 0.3582)
contains.

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Color

Yxy(19.1969, 0.5649, 0.3582)

Conversions

Conversions Part 1

Format	Color
Hex	D54A28
RGB	213, 74, 40
RGB Percent	84%, 29%, 16%
CMY	0.1647, 0.7098, 0.8430
CMYK	0.00, 0.65, 0.81, 0.16
HSL	12°, 68%, 50%
HSV	12°, 81%, 84%
XYZ	30.2745, 19.1969, 4.1213
YIQ	111.6850, 93.7580, 18.8940

Conversions

Conversions Part 2

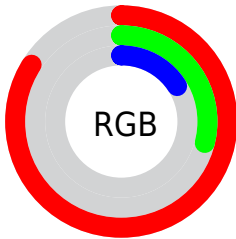
Format	Color
R_{YB}	213, 82, 40
Decimal	13978152
CIE Lab	50.92, 53.03, 48.22
CIE LCh	51, 71.679, 42.280
Yxy	19.1969, 0.5649, 0.3582
Android (android.graphics.Color)	4292168232 (0xFFD54A28)
YUV	111.6850, -35.3407, 88.8533
Hunter-Lab	43.8143, 46.6638, 25.0930

Details

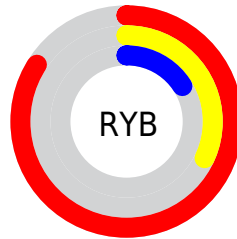
The Yxy color **19.1969, 0.5649, 0.3582** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **37.5184, 0.2146, 0.2775**, and the grayscale version is **16.1926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6651, 0.4969, 0.3680**, and **6.6143, 0.6364, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **17.1076, 0.5982, 0.3527**, and if you desaturate by 10%, it is **21.9902, 0.5249, 0.3602**.

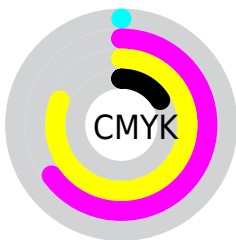
Distribution



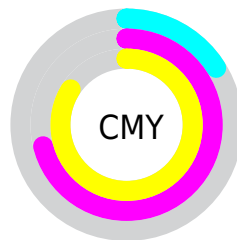
- Red (84%)
- Green (29%)
- Blue (16%)



- Red (84%)
- Yellow (32%)
- Blue (16%)



- Cyan (0%)
- Magenta (65%)
- Yellow (81%)
- Black (16%)





- Cyan (16%)
- Magenta (71%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1969, 0.5649, 0.3582 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 19.1969, 0.5649, 0.3582 by changing the saturation by 10% instead.


 19.1969, 0.5649,
0.3582


 19.1969, 0.5649,
0.3582


247.5336, 0.4263,
0.3576


 11.8126, 0.5993,
0.3505


 42.0665, 0.5135,
0.3632


 6.6162, 0.6446,
0.3372


 58.3207, 0.4942,
0.3633

 3.2233, 0.6926,
0.3074

 78.3003, 0.4781,
0.3628

 1.2494, 0.7462,
0.2538

 102.3898, 0.4645,
0.3620

 0.1015, 0.9374,
0.0626

 130.9734, 0.4528,
0.3609

 0.0000, 1.0000,
0.0000

 164.4357, 0.4428,

 0.0000, 0.0000,

0.3598

0.0000

203.1609, 0.4340,
0.3587

■ 19.1969, 0.5649,
0.3582

■ 19.1969, 0.5649,
0.3582

■ 17.1076, 0.5982,
0.3527

■ 21.9902, 0.5249,
0.3602

■ 15.7898, 0.6197,
0.3462

■ 25.5415, 0.4832,
0.3590


■ 29.9033, 0.4437,
0.3555


■ 35.1221, 0.4085,
0.3507

■ 41.2411, 0.3783,
0.3454

 48.3004, 0.3530,
0.3399

 56.3375, 0.3320,
0.3346

 65.3881, 0.3146,
0.3296

 75.4860, 0.3002,
0.3250

Harmonies

Analogous

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



19.1969, 0.5160, 0.2828



19.1969, 0.5649, 0.3582



19.1969, 0.5241, 0.4431

Triad

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



19.1969, 0.5649, 0.3582



19.1969, 0.2110, 0.4992



19.1969, 0.1674, 0.1509

Complementary

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



19.1969, 0.5649, 0.3582



37.5184, 0.2146, 0.2775

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.



19.1969, 0.1222, 0.1628



19.1969, 0.5649, 0.3582



19.1969, 0.1379, 0.3342

Square

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



19.1969, 0.5649, 0.3582



19.1969, 0.3190, 0.5811



19.1969, 0.1118, 0.2164



19.1969, 0.2563, 0.1696

Rectangle

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



19.1969, 0.5649, 0.3582



19.1969, 0.4655, 0.5046



19.1969, 0.1118, 0.2164



19.1969, 0.1480, 0.1512

Sweetspot

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



19.1980, 0.5649, 0.3582



69.1990, 0.3602, 0.3415



19.0162, 0.3614, 0.1879



13.9925, 0.3693, 0.3435



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.



19.1980, 0.5649, 0.3582



24.1250, 0.6149, 0.3473



38.8349, 0.4645, 0.4499



12.8115, 0.3286, 0.3336



9.7589, 0.6175, 0.3479



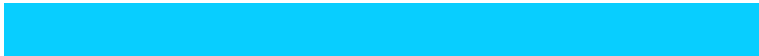
0.7059, 0.5846, 0.3740

Inverse Universe

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



37.5184, 0.2146, 0.2775



51.6266, 0.2074, 0.2656



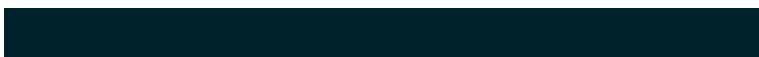
13.4080, 0.1785, 0.1411



13.6743, 0.2983, 0.3243



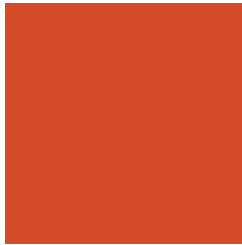
20.9147, 0.2070, 0.2652



1.3697, 0.2104, 0.2774

Previews

White Background



This preview shows how the Yxy color 19.1969, 0.5649, 0.3582 looks on a white 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

Black Background



This preview shows how the Yxy color 19.1969, 0.5649, 0.3582 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 19.1969, 0.5649, 0.3582

Background



This preview shows how black text looks on a background with the Yxy color 19.1969, 0.5649, 0.3582.



This preview shows how white text looks on a background with the Yxy color 19.1969, 0.5649, 0.3582.

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

19.1969, 0.5649, 0.3582

Protanopia

19.3270, 0.4083, 0.4485

Deuteranopia

19.3422, 0.4590, 0.4534



Tritanopia

19.1709, 0.5293, 0.3257

Trichromacy



Original Color

19.1969, 0.5649, 0.3582

Protanomaly

18.1031, 0.4703, 0.4115

Deuteranomaly

18.5256, 0.5035, 0.4129

Tritanomaly

19.1504, 0.5448, 0.3382

Monochromacy



Original Color

19.1969, 0.5649, 0.3582

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.7968, 0.4087, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1969, 0.5649, 0.3582 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(213, 74, 40)` looks like.

```
.text, #text, p{  
    color:rgb(213, 74, 40)  
}
```

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(213, 74, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 74, 40) }
```

Border

The CSS property to change the border of an element to Yxy 19.1969, 0.5649, 0.3582 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(213, 74, 40) }
```

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

```
.border{ border-color:rgb(213, 74, 40) }
```

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

Here you see how a box with a 4 pixel rgb(213, 74, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 74, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 74, 40);  
box-shadow:4px 4px 4px 4px rgb(213, 74,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1969, 0.5649, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 74, 40) }
```

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

```
.background{ background-color: rgb(213, 74,  
40) }
```

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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