

Converting Colors

$Y_{xy}(18.4475, 0.5695, 0.3511)$

Have a look what the booklet for
Yxy(18.4475, 0.5695, 0.3511)
contains.

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Color

Yxy(18.4475, 0.5695, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	D5442A
RGB	213, 68, 42
RGB Percent	84%, 27%, 16%
CMY	0.1648, 0.7332, 0.8354
CMYK	0.00, 0.68, 0.80, 0.16
HSL	9°, 67%, 50%
HSV	9°, 80%, 84%
XYZ	29.9227, 18.4475, 4.1718
YIQ	108.3910, 94.7660, 22.6540

Conversions

Conversions Part 2

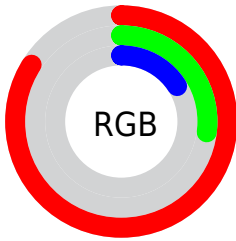
Format	Color
RYB	213, 73, 42
Decimal	13976618
CIELab	50.03, 55.51, 46.43
CIElCh	50, 72.365, 39.909
Yxy	18.4475, 0.5695, 0.3511
Android (android.graphics.Color)	4292166698 (0xFFD5442A)
YUV	108.3910, -32.7308, 91.7421
Hunter-Lab	42.9506, 49.1934, 24.3065

Details

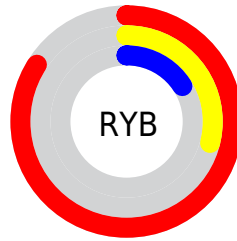
The Yxy color **18.4475, 0.5695, 0.3511** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **40.8098, 0.2183, 0.2900**, and the grayscale version is **15.1880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4135, 0.4992, 0.3614**, and **6.4840, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.4759, 0.6038, 0.3465**, and if you desaturate by 10%, it is **21.1746, 0.5278, 0.3528**.

Distribution



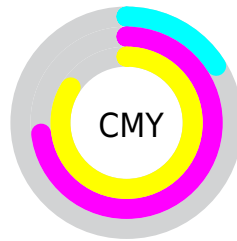
- Red (84%)
- Green (27%)
- Blue (16%)



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



- Cyan (0%)
- Magenta (68%)
- Yellow (80%)
- Black (16%)





- Cyan (16%)
- Magenta (73%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4475, 0.5695, 0.3511 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 18.4475, 0.5695, 0.3511 by changing the saturation by 10% instead.


 18.4475, 0.5695,
0.3511

 18.4475, 0.5695,
0.3511


243.3814, 0.4272,
0.3543


 11.2717, 0.6053,
0.3424


 40.7984, 0.5163,
0.3575


 6.2499, 0.6527,
0.3277


 56.7423, 0.4965,
0.3581

 2.9976, 0.7039,
0.2961

 76.3778, 0.4800,
0.3581

 1.1305, 0.7604,
0.2396

 100.0891, 0.4661,
0.3576

 0.0038, 0.9974,
0.0026

 128.2607, 0.4542,
0.3569

 0.0000, 1.0000,
0.0000

 161.2771, 0.4439,

 0.0000, 0.0000,

0.3561

0.0000

199.5225, 0.4350,
0.3552

■ 18.4475, 0.5695,
0.3511

■ 18.4475, 0.5695,
0.3511

■ 16.4759, 0.6038,
0.3465

■ 21.1746, 0.5278,
0.3528


■ 15.2013, 0.6266,
0.3406

■ 24.7211, 0.4845,
0.3520


■ 29.1477, 0.4436,
0.3493

■ 34.5084, 0.4075,
0.3456

■ 40.8528, 0.3768,
0.3414

 48.2268, 0.3513,
0.3371

 56.6737, 0.3304,
0.3330

 66.2341, 0.3132,
0.3291

 76.9466, 0.2991,
0.3256

Harmonies

Analogous

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



18.4475, 0.5123, 0.2757



18.4475, 0.5695, 0.3511



18.4475, 0.5328, 0.4361

Triad

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



18.4475, 0.5695, 0.3511



18.4475, 0.2162, 0.5157



18.4475, 0.1598, 0.1479

Complementary

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



18.4475, 0.5695, 0.3511



40.8098, 0.2183, 0.2900

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.



18.4475, 0.1174, 0.1624



18.4475, 0.5695, 0.3511



18.4475, 0.1386, 0.3464

Square

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



18.4475, 0.5695, 0.3511



18.4475, 0.3270, 0.5870



18.4475, 0.1094, 0.2206



18.4475, 0.2460, 0.1645

Rectangle

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



18.4475, 0.5695, 0.3511



18.4475, 0.4748, 0.4989



18.4475, 0.1094, 0.2206



18.4475, 0.1414, 0.1490

Sweetspot

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



18.4486, 0.5695, 0.3511



67.9157, 0.3608, 0.3388



19.4008, 0.3528, 0.1836



13.6921, 0.3702, 0.3403



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.



18.4486, 0.5695, 0.3511



23.3547, 0.6202, 0.3422



37.1375, 0.4692, 0.4437



12.7231, 0.3287, 0.3326



9.3810, 0.6248, 0.3421



0.6645, 0.5954, 0.3654

Inverse Universe

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



40.8098, 0.2183, 0.2900



57.2791, 0.2118, 0.2810



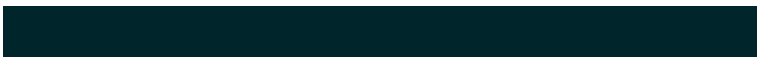
14.7647, 0.1818, 0.1517



13.7705, 0.2983, 0.3254



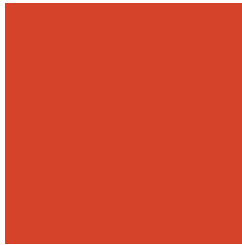
23.1321, 0.2112, 0.2802



1.4844, 0.2137, 0.2894

Previews

White Background



This preview shows how the Yxy color 18.4475, 0.5695, 0.3511 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 18.4475, 0.5695, 0.3511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

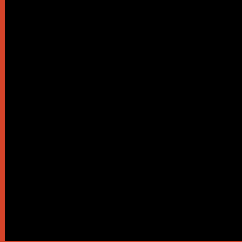
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4475, 0.5695, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 18.4475, 0.5695, 0.3511.



This preview shows how white text looks on a background with the Yxy color 18.4475, 0.5695, 0.3511.

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

18.4475, 0.5695, 0.3511

Protanopia

18.7050, 0.4047, 0.4426

Deuteranopia

18.7026, 0.4581, 0.4509



Tritanopia

18.4941, 0.5420, 0.3269

Trichromacy



Original Color

18.4475, 0.5695, 0.3511

Protanomaly

17.2278, 0.4711, 0.4028

Deuteranomaly

17.6636, 0.5068, 0.4066

Tritanomaly

18.5083, 0.5532, 0.3360

Monochromacy



Original Color

18.4475, 0.5695, 0.3511

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.5798, 0.4112, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4475, 0.5695, 0.3511 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, 68, 42)` looks like.

```
.text, #text, p{  
    color:rgb(213, 68, 42)  
}
```

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, 68, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 68, 42) }
```

Border

The CSS property to change the border of an element to Yxy 18.4475, 0.5695, 0.3511 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, 68, 42) }
```

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

```
.border{ border-color:rgb(213, 68, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 68, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 68, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 68, 42);  
box-shadow:4px 4px 4px 4px rgb(213, 68,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4475, 0.5695, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 68, 42) }
```

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

```
.background{ background-color: rgb(213, 68,  
42) }
```

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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