

Converting Colors

$Y_{xy}(18.5675, 0.5715, 0.3433)$

Have a look what the booklet for
Yxy(18.5675, 0.5715, 0.3433)
contains.

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Color

Yxy(18.6237, 0.5709, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	D9402F
RGB	217, 64, 47
RGB Percent	85%, 25%, 18%
CMY	0.1490, 0.7490, 0.8158
CMYK	0.00, 0.71, 0.78, 0.15
HSL	6°, 69%, 52%
HSV	6°, 78%, 85%
XYZ	30.9618, 18.6237, 4.6478
YIQ	107.8090, 96.6450, 27.1490

Conversions

Conversions Part 2

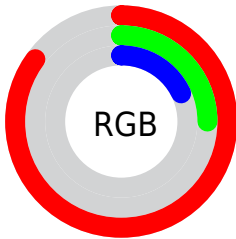
Format	Color
R _Y B	217, 66, 47
Decimal	14237743
CIE Lab	50.24, 58.50, 44.32
CIE LCh	50, 73.389, 37.147
Yxy	18.6237, 0.5709, 0.3434
Android (android.graphics.Color)	4292427823 (0xFFD9402F)
YUV	107.8090, -29.9788, 95.7605
Hunter-Lab	43.1552, 52.5436, 23.8231

Details

The Yxy color **18.6237, 0.5709, 0.3434** 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 **46.8999, 0.2228, 0.3043**, and the grayscale version is **15.0053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7610, 0.4965, 0.3541**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.6611, 0.6069, 0.3403**, and if you desaturate by 10%, it is **21.4460, 0.5272, 0.3445**.

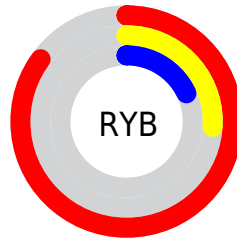
Distribution



Red (85%)

Green (25%)

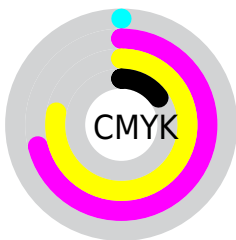
Blue (18%)



Red (85%)

Yellow (26%)

Blue (18%)

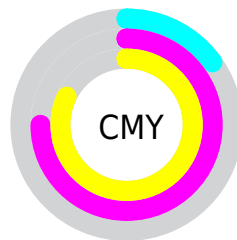


Cyan (0%)

Magenta (71%)

Yellow (78%)

Black (15%)



Cyan (15%)


Magenta (75%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6237, 0.5709, 0.3434 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 18.6237, 0.5709, 0.3434 by changing the saturation by 10% instead.


 18.6237, 0.5709,
0.3434


 18.6237, 0.5709,
0.3434


244.3634, 0.4274,
0.3502


 11.3987, 0.6075,
0.3342


 41.0973, 0.5170,
0.3509

 6.3357, 0.6544,
0.3181


 57.1146, 0.4970,
0.3520


 3.0502, 0.7116,
0.2884

 76.8315, 0.4804,
0.3524

 1.1580, 0.7685,
0.2315

 100.6324, 0.4664,
0.3523

 0.0270, 0.9835,
0.0165

 128.9016, 0.4544,
0.3520

 0.0000, 1.0000,
0.0000

 162.0236, 0.4442,

 0.0000, 0.0000,

0.3515

0.0000

200.3828, 0.4352,
0.3509

■ 18.6237, 0.5709,
0.3434

■ 18.6237, 0.5709,
0.3434

■ 16.6611, 0.6069,
0.3403

■ 21.4460, 0.5272,
0.3445

■ 15.4535, 0.6301,
0.3360


■ 25.2084, 0.4820,
0.3439

■ 15.3167, 0.6331,
0.3355

■ 29.9858, 0.4400,
0.3421

■ 35.8444, 0.4034,
0.3395

■ 42.8450, 0.3727,
0.3367

 51.0439, 0.3474,
0.3338

 60.4934, 0.3269,
0.3311

 71.2429, 0.3102,
0.3286

 83.3392, 0.2966,
0.3263

Harmonies

Analogous

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



18.6237, 0.5041, 0.2683



18.6237, 0.5709, 0.3434



18.6237, 0.5407, 0.4277

Triad

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



18.6237, 0.5709, 0.3434



18.6237, 0.2244, 0.5312



18.6237, 0.1530, 0.1465

Complementary

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



18.6237, 0.5709, 0.3434



46.8999, 0.2228, 0.3043

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.



18.6237, 0.1139, 0.1643



18.6237, 0.5709, 0.3434



18.6237, 0.1422, 0.3617

Square

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



18.6237, 0.5709, 0.3434



18.6237, 0.3372, 0.5884



18.6237, 0.1089, 0.2278



18.6237, 0.2352, 0.1605

Rectangle

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



18.6237, 0.5709, 0.3434



18.6237, 0.4846, 0.4908



18.6237, 0.1089, 0.2278



18.6237, 0.1358, 0.1485

Sweetspot

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



18.6248, 0.5709, 0.3434



66.4251, 0.3616, 0.3355



20.9519, 0.3407, 0.1782



13.3445, 0.3712, 0.3365



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.



18.6248, 0.5709, 0.3434



22.7684, 0.6234, 0.3374



36.4472, 0.4750, 0.4342



13.2605, 0.3289, 0.3314



9.3429, 0.6316, 0.3367



0.6784, 0.6106, 0.3534

Inverse Universe

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



46.8999, 0.2228, 0.3043



64.4569, 0.2169, 0.2986



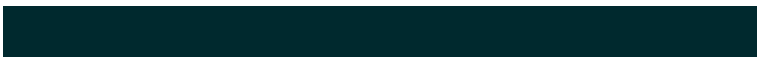
17.8694, 0.1875, 0.1690



14.5947, 0.2982, 0.3266



26.8142, 0.2159, 0.2974



1.8030, 0.2175, 0.3029

Previews

White Background



This preview shows how the Yxy color 18.6237, 0.5709, 0.3434 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 18.6237, 0.5709, 0.3434 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 18.6237, 0.5709, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 18.6237, 0.5709, 0.3434.



This preview shows how white text looks on a background with the Yxy color 18.6237, 0.5709, 0.3434.

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

18.6237, 0.5709, 0.3434

Protanopia

18.6974, 0.3962, 0.4325

Deuteranopia

18.7353, 0.4542, 0.4459



Tritanopia

18.7208, 0.5529, 0.3280

Trichromacy



Original Color

18.6237, 0.5709, 0.3434

Protanomaly

17.1963, 0.4667, 0.3934

Deuteranomaly

17.6262, 0.5051, 0.4006

Tritanomaly

18.7659, 0.5598, 0.3340

Monochromacy



Original Color

18.6237, 0.5709, 0.3434

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.6221, 0.4118, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6237, 0.5709, 0.3434 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(217, 64, 47)` looks like.

```
.text, #text, p{  
    color:rgb(217, 64, 47)  
}
```

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(217, 64, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 64, 47) }
```

Border

The CSS property to change the border of an element to Yxy 18.6237, 0.5709, 0.3434 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(217, 64, 47) }
```

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

```
.border{ border-color:rgb(217, 64, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 64, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 64, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 64, 47);  
box-shadow:4px 4px 4px 4px rgb(217, 64,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6237, 0.5709, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 64, 47) }
```

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

```
.background{ background-color: rgb(217, 64,  
47) }
```

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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