

Converting Colors

$Yxy(18.4187, 0.5789, 0.3471)$

Have a look what the booklet for
Yxy(18.4187, 0.5789, 0.3471)
contains.

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Color

Yxy(18.4599, 0.5787, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	D93F28
RGB	217, 63, 40
RGB Percent	85%, 25%, 16%
CMY	0.1490, 0.7529, 0.8432
CMYK	0.00, 0.71, 0.82, 0.15
HSL	8°, 70%, 50%
HSV	8°, 82%, 85%
XYZ	30.7771, 18.4599, 3.9462
YIQ	106.4240, 99.1670, 25.4950

Conversions

Conversions Part 2

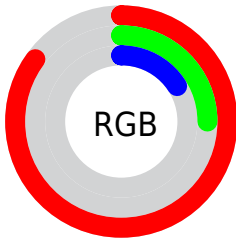
Format	Color
R _Y B	217, 66, 40
Decimal	14237480
CIE Lab	50.05, 58.65, 47.69
CIE LCh	50, 75.595, 39.115
Yxy	18.4599, 0.5787, 0.3471
Android (android.graphics.Color)	4292427560 (0xFFD93F28)
YUV	106.4240, -32.7470, 96.9752
Hunter-Lab	42.9650, 52.6763, 24.6299

Details

The Yxy color **18.4599, 0.5787, 0.3471** 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 **44.0359, 0.2192, 0.2952**, and the grayscale version is **14.6068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3975, 0.5044, 0.3591**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.6079, 0.6114, 0.3426**, and if you desaturate by 10%, it is **21.1135, 0.5372, 0.3491**.

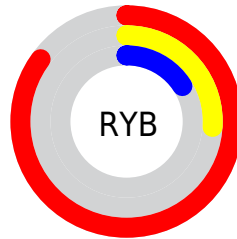
Distribution



Red (85%)

Green (25%)

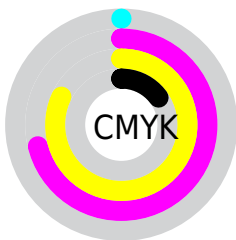
Blue (16%)



Red (85%)

Yellow (26%)

Blue (16%)

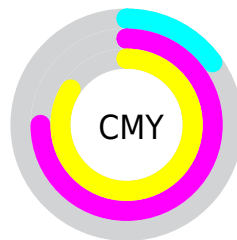


Cyan (0%)

Magenta (71%)

Yellow (82%)

Black (15%)



Cyan (15%)


Magenta (75%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4599, 0.5787, 0.3471 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 18.4599, 0.5787, 0.3471 by changing the saturation by 10% instead.


 18.4599, 0.5787,
0.3471


 18.4599, 0.5787,
0.3471


243.4506, 0.4319,
0.3536


 11.2807, 0.6151,
0.3372


 40.8194, 0.5242,
0.3550


 6.2559, 0.6639,
0.3213


 56.7685, 0.5038,
0.3562


 3.0013, 0.7130,
0.2870

 76.4097, 0.4867,
0.3565

 1.1324, 0.7703,
0.2297

 100.1274, 0.4723,
0.3563

 0.0055, 0.9966,
0.0034

 128.3059, 0.4600,
0.3558

 0.0000, 1.0000,
0.0000

 161.3297, 0.4493,

 0.0000, 0.0000,

0.3552

0.0000

199.5831, 0.4401,
0.3544

■ 18.4599, 0.5787,
0.3471

■ 18.4599, 0.5787,
0.3471

■ 16.6079, 0.6114,
0.3426

■ 21.1135, 0.5372,
0.3491

■ 15.5940, 0.6297,
0.3382

■ 24.6436, 0.4929,
0.3488

■ 29.1198, 0.4507,
0.3468


■ 34.6042, 0.4131,
0.3437

■ 41.1530, 0.3812,
0.3401

 48.8187, 0.3547,
0.3364

 57.6501, 0.3329,
0.3328

 67.6931, 0.3152,
0.3295

 78.9913, 0.3007,
0.3264

Harmonies

Analogous

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



18.4599, 0.5177, 0.2709



18.4599, 0.5787, 0.3471



18.4599, 0.5406, 0.4336

Triad

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



18.4599, 0.5787, 0.3471



18.4599, 0.2140, 0.5296



18.4599, 0.1533, 0.1425

Complementary

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



18.4599, 0.5787, 0.3471



44.0359, 0.2192, 0.2952

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.



18.4599, 0.1113, 0.1578



18.4599, 0.5787, 0.3471



18.4599, 0.1339, 0.3507

Square

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



18.4599, 0.5787, 0.3471



18.4599, 0.3279, 0.5979



18.4599, 0.1038, 0.2181



18.4599, 0.2401, 0.1588

Rectangle

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



18.4599, 0.5787, 0.3471



18.4599, 0.4804, 0.4993



18.4599, 0.1038, 0.2181



18.4599, 0.1350, 0.1438

Sweetspot

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



18.4610, 0.5787, 0.3471



67.2746, 0.3612, 0.3374



20.2704, 0.3457, 0.1779



13.5424, 0.3706, 0.3387



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.



18.4610, 0.5787, 0.3471



22.6322, 0.6272, 0.3384



36.4466, 0.4782, 0.4383



13.3231, 0.3288, 0.3321



9.5251, 0.6280, 0.3395



0.7081, 0.6028, 0.3596

Inverse Universe

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



44.0359, 0.2192, 0.2952



59.7595, 0.2134, 0.2874



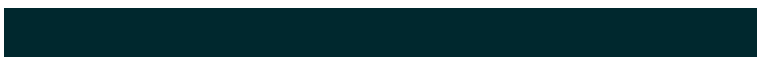
16.1516, 0.1826, 0.1573



14.5255, 0.2982, 0.3259



25.1165, 0.2132, 0.2876



1.7093, 0.2153, 0.2949

Previews

White Background



This preview shows how the Yxy color 18.4599, 0.5787, 0.3471 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 18.4599, 0.5787, 0.3471 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 18.4599, 0.5787, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 18.4599, 0.5787, 0.3471.



This preview shows how white text looks on a background with the Yxy color 18.4599, 0.5787, 0.3471.

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

18.4599, 0.5787, 0.3471

Protanopia

18.6953, 0.4057, 0.4441

Deuteranopia

18.6799, 0.4610, 0.4545



Tritanopia

18.4960, 0.5558, 0.3271

Trichromacy



Original Color

18.4599, 0.5787, 0.3471

Protanomaly

17.0465, 0.4773, 0.3999

Deuteranomaly

17.3921, 0.5139, 0.4061

Tritanomaly

18.5187, 0.5652, 0.3347

Monochromacy



Original Color

18.4599, 0.5787, 0.3471

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.0325, 0.4169, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4599, 0.5787, 0.3471 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, 63, 40)` looks like.

```
.text, #text, p{  
    color:rgb(217, 63, 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(217, 63, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 63, 40) }
```

Border

The CSS property to change the border of an element to Yxy 18.4599, 0.5787, 0.3471 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, 63, 40) }
```

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

```
.border{ border-color:rgb(217, 63, 40) }
```

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

Here you see how a box with a 4 pixel rgb(217, 63, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 63, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 63, 40);  
box-shadow:4px 4px 4px 4px rgb(217, 63,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4599, 0.5787, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 63, 40) }
```

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

```
.background{ background-color: rgb(217, 63,  
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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