

Converting Colors

$Y_{xy}(19.4558, 0.5942, 0.3589)$

Have a look what the booklet for
Yxy(19.4558, 0.5942, 0.3589)
contains.

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Color

Yxy(19.4634, 0.5937, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	DE4210
RGB	222, 66, 16
RGB Percent	87%, 26%, 6%
CMY	0.1293, 0.7412, 0.9372
CMYK	0.00, 0.70, 0.93, 0.13
HSL	15°, 87%, 47%
HSV	15°, 93%, 87%
XYZ	32.1699, 19.4634, 2.5521
YIQ	106.9440, 109.0260, 17.5220

Conversions

Conversions Part 2

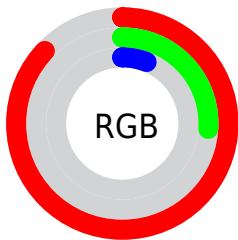
Format	Color
R_{YB}	222, 82, 16
Decimal	14565904
CIE _{Lab}	51.23, 58.69, 58.67
CIE _{LCh}	51, 82.983, 44.991
Yxy	19.4634, 0.5937, 0.3592
Android (android.graphics.Color)	4292755984 (0xFFDE4210)
YUV	106.9440, -44.8354, 100.9041
Hunter-Lab	44.1173, 52.9549, 27.4523

Details

The Yxy color **19.4634, 0.5937, 0.3592** 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 **34.9083, 0.2049, 0.2540**, and the grayscale version is **14.7902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8556, 0.5189, 0.3766**, and **7.2691, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.1569, 0.6112, 0.3529**, and if you desaturate by 10%, it is **21.8300, 0.5623, 0.3657**.

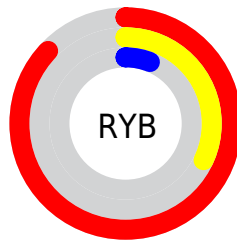
Distribution



Red (87%)

Green (26%)

Blue (6%)



Red (87%)

Yellow (32%)

Blue (6%)

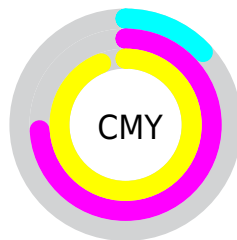


Cyan (0%)

Magenta (70%)

Yellow (93%)

Black (13%)



Cyan (13%)


Magenta (74%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4634, 0.5937, 0.3592 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 19.4634, 0.5937, 0.3592 by changing the saturation by 10% instead.


 19.4634, 0.5937,
0.3592


 19.4634, 0.5937,
0.3592


248.9952, 0.4445,
0.3645


 12.0056, 0.6271,
0.3478


 42.5157, 0.5408,
0.3682

 6.7475, 0.6702,
0.3298


 58.8789, 0.5202,
0.3694

 3.3047, 0.7077,
0.2923

 78.9795, 0.5026,
0.3694

 1.2928, 0.7624,
0.2376

 103.2017, 0.4875,
0.3689

 0.1356, 0.9294,
0.0706

 131.9300, 0.4745,
0.3680

 0.0000, 1.0000,
0.0000


 165.5487, 0.4632,


 0.0000, 0.0000,


0.3669

0.0000

 204.4423, 0.4533,
0.3657

 19.4634, 0.5937,
0.3592

 19.4634, 0.5937,
0.3592

 18.1569, 0.6112,
0.3529

 21.8300, 0.5623,
0.3657

 24.9044, 0.5244,
0.3681

 28.7424, 0.4845,
0.3668

 33.3927, 0.4463,
0.3626

 38.8997, 0.4117,
0.3568

■ 45.3045, 0.3817,
0.3503

■ 52.6456, 0.3562,
0.3435

■ 60.9591, 0.3349,
0.3369

■ 70.2790, 0.3171,
0.3307

Harmonies

Analogous

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



19.4634, 0.5545, 0.2804



19.4634, 0.5937, 0.3592



19.4634, 0.5337, 0.4530

Triad

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



19.4634, 0.5937, 0.3592



19.4634, 0.1847, 0.5133



19.4634, 0.1581, 0.1343

Complementary

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



19.4634, 0.5937, 0.3592



34.9083, 0.2049, 0.2540

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.



19.4634, 0.1074, 0.1424



19.4634, 0.5937, 0.3592



19.4634, 0.1134, 0.3152

Square

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



19.4634, 0.5937, 0.3592



19.4634, 0.2989, 0.6199



19.4634, 0.0927, 0.1922



19.4634, 0.2593, 0.1569

Rectangle

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



19.4634, 0.5937, 0.3592



19.4634, 0.4634, 0.5259



19.4634, 0.0927, 0.1922



19.4634, 0.1365, 0.1334

Sweetspot

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



19.4646, 0.5937, 0.3592



66.4397, 0.3695, 0.3472



18.9573, 0.3849, 0.1923



13.3172, 0.3811, 0.3501



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.



19.4646, 0.5937, 0.3592



24.6895, 0.6124, 0.3520



43.2377, 0.4696, 0.4609



14.2377, 0.3286, 0.3348



10.9289, 0.6087, 0.3549



0.8964, 0.5785, 0.3789

Inverse Universe

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



34.9083, 0.2049, 0.2540



45.4241, 0.2019, 0.2469



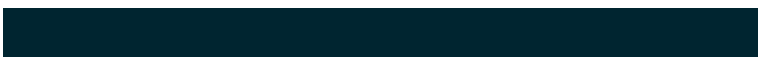
9.8854, 0.1635, 0.1033



14.9795, 0.2982, 0.3232



19.9817, 0.2025, 0.2489



1.5215, 0.2063, 0.2627

Previews

White Background



This preview shows how the Yxy color 19.4634, 0.5937, 0.3592 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 19.4634, 0.5937, 0.3592 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 19.4634, 0.5937, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 19.4634, 0.5937, 0.3592.



This preview shows how white text looks on a background with the Yxy color 19.4634, 0.5937, 0.3592.

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

19.4634, 0.5937, 0.3592

Protanopia

19.6681, 0.4278, 0.4724

Deuteranopia

19.4593, 0.4713, 0.4640



Tritanopia

19.5034, 0.5564, 0.3280

Trichromacy



Original Color

19.4634, 0.5937, 0.3592

Protanomaly

18.0123, 0.4995, 0.4224

Deuteranomaly

18.3322, 0.5246, 0.4183

Tritanomaly

19.4482, 0.5752, 0.3419

Monochromacy



Original Color

19.4634, 0.5937, 0.3592

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5383, 0.4325, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4634, 0.5937, 0.3592 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(222, 66, 16)` looks like.

```
.text, #text, p{  
    color:rgb(222, 66, 16)  
}
```

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(222, 66, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 66, 16) }
```

Border

The CSS property to change the border of an element to Yxy 19.4634, 0.5937, 0.3592 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(222, 66, 16) }
```

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

```
.border{ border-color:rgb(222, 66, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 66, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 66, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 66, 16);  
box-shadow:4px 4px 4px 4px rgb(222, 66,  
16) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 19.4634, 0.5937, 0.3592$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 66, 16) }
```

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

```
.background{ background-color: rgb(222, 66,  
16) }
```

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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