

Converting Colors

$Y_{xy}(20.0000, 0.5646, 0.3802)$

Have a look what the booklet for
Yxy(20.0000, 0.5646, 0.3802)
contains.

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Color

Yxy(19.9430, 0.5642, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	D15413
RGB	209, 84, 19
RGB Percent	82%, 33%, 7%
CMY	0.1805, 0.6705, 0.9257
CMYK	0.00, 0.60, 0.91, 0.18
HSL	21°, 83%, 45%
HSV	21°, 91%, 82%
XYZ	29.5790, 19.9430, 2.9044
YIQ	113.9650, 95.3650, 6.2850

Conversions

Conversions Part 2

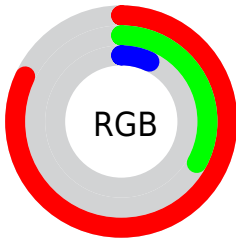
Format	Color
R_{YB}	209, 118, 19
Decimal	13718547
CIE _{Lab}	51.77, 46.71, 57.09
CIE _{LCh}	52, 73.764, 50.712
Yxy	19.9430, 0.5642, 0.3804
Android (android.graphics.Color)	4291908627 (0xFFD15413)
YUV	113.9650, -46.8177, 83.3457
Hunter-Lab	44.6576, 40.0788, 27.4042

Details

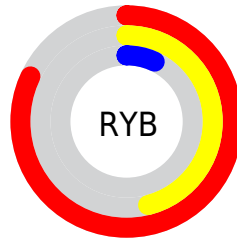
The Yxy color **19.9430, 0.5642, 0.3804** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **24.6624, 0.1970, 0.2235**, and the grayscale version is **16.9389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6192, 0.5033, 0.3882**, and **7.0818, 0.6155, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **18.1307, 0.5868, 0.3723**, and if you desaturate by 10%, it is **22.3969, 0.5339, 0.3855**.

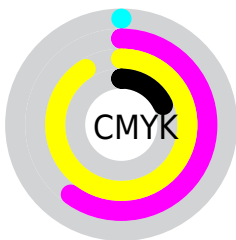
Distribution



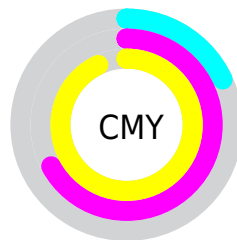
- Red (82%)
- Green (33%)
- Blue (7%)



- Red (82%)
- Yellow (46%)
- Blue (7%)



- Cyan (0%)
- Magenta (60%)
- Yellow (91%)
- Black (18%)



- Cyan (18%)
- Magenta (67%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9430, 0.5642, 0.3804 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 19.9430, 0.5642, 0.3804 by changing the saturation by 10% instead.


 19.9430, 0.5642,
0.3804


 19.9430, 0.5642,
0.3804


251.6064, 0.4301,
0.3708


 12.3536, 0.5948,
0.3736


 43.3216, 0.5162,
0.3830


 6.9850, 0.6370,
0.3630


 59.8796, 0.4977,
0.3820

 3.4527, 0.6695,
0.3305

 80.1959, 0.4819,
0.3804

 1.3724, 0.7186,
0.2814

 104.6550, 0.4684,
0.3785

 0.1962, 0.8790,
0.1210

 133.6412, 0.4568,
0.3765


 0.0000, 1.0000,
0.0000


 167.5389, 0.4467,


 0.0000, 0.0000,


0.3745

0.0000

 206.7325, 0.4379,
0.3726


 19.9430, 0.5642,
0.3804


 19.9430, 0.5642,
0.3804

 18.1307, 0.5868,
0.3723

 22.3969, 0.5339,
0.3855

 25.3675, 0.4997,
0.3857

 28.8879, 0.4646,
0.3817

 32.9868, 0.4311,
0.3748

 37.6907, 0.4007,
0.3662

■ 43.0243, 0.3739,
0.3569

■ 49.0109, 0.3507,
0.3475

■ 55.6723, 0.3309,
0.3384

■ 63.0294, 0.3141,
0.3298

Harmonies

Analogous

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



19.9430, 0.5431, 0.3025



19.9430, 0.5642, 0.3804



19.9430, 0.5031, 0.4695

Triad

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



19.9430, 0.5642, 0.3804



19.9430, 0.1836, 0.4564



19.9430, 0.1859, 0.1513

Complementary

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



19.9430, 0.5642, 0.3804



24.6624, 0.1970, 0.2235

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.



19.9430, 0.1292, 0.1540



19.9430, 0.5642, 0.3804



19.9430, 0.1240, 0.2927

Square

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



19.9430, 0.5642, 0.3804



19.9430, 0.2861, 0.5779



19.9430, 0.1093, 0.1940



19.9430, 0.2894, 0.1783

Rectangle

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



19.9430, 0.5642, 0.3804



19.9430, 0.4371, 0.5312



19.9430, 0.1093, 0.1940



19.9430, 0.1623, 0.1488

Sweetspot

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



19.9441, 0.5642, 0.3804



70.7688, 0.3651, 0.3535



16.0815, 0.4155, 0.2109



14.4772, 0.3735, 0.3567



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.



19.9441, 0.5642, 0.3804



28.1272, 0.5888, 0.3707



45.1681, 0.4466, 0.4781



12.4606, 0.3282, 0.3370



11.3464, 0.5842, 0.3743



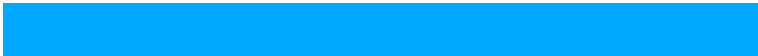
0.7806, 0.5485, 0.4027

Inverse Universe

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



24.6624, 0.1970, 0.2235



35.1098, 0.1918, 0.2105



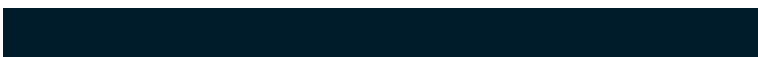
7.0760, 0.1598, 0.0873



12.6970, 0.2983, 0.3209



14.1361, 0.1927, 0.2138



0.9348, 0.1993, 0.2374

Previews

White Background



This preview shows how the Yxy color 19.9430, 0.5642, 0.3804 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 19.9430, 0.5642, 0.3804 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 19.9430, 0.5642, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 19.9430, 0.5642, 0.3804.



This preview shows how white text looks on a background with the Yxy color 19.9430, 0.5642, 0.3804.

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

19.9430, 0.5642, 0.3804

Protanopia

19.9980, 0.4284, 0.4736

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

19.9222, 0.5068, 0.3242

Trichromacy



Original Color

19.9430, 0.5642, 0.3804

Protanomaly

18.9044, 0.4832, 0.4357

Deuteranomaly

19.5535, 0.5086, 0.4306

Tritanomaly

19.7652, 0.5354, 0.3497

Monochromacy



Original Color

19.9430, 0.5642, 0.3804

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.6546, 0.4151, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9430, 0.5642, 0.3804 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(209, 84, 19)` looks like.

```
.text, #text, p{  
    color:rgb(209, 84, 19)  
}
```

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(209, 84, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 84, 19) }
```

Border

The CSS property to change the border of an element to Yxy 19.9430, 0.5642, 0.3804 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(209, 84, 19) }
```

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

```
.border{ border-color:rgb(209, 84, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 84, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 84, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 84, 19);  
box-shadow:4px 4px 4px 4px rgb(209, 84,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9430, 0.5642, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 84, 19) }
```

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

```
.background{ background-color: rgb(209, 84,  
19) }
```

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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