

Converting Colors

$Y_{xy}(19.9920, 0.5914, 0.3557)$

Have a look what the booklet for
Yxy(19.9920, 0.5914, 0.3557)
contains.

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Color

Yxy(19.9699, 0.5911, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	E14218
RGB	225, 66, 24
RGB Percent	88%, 26%, 9%
CMY	0.1176, 0.7412, 0.9056
CMYK	0.00, 0.71, 0.89, 0.12
HSL	13°, 81%, 49%
HSV	13°, 89%, 88%
XYZ	33.1672, 19.9699, 2.9739
YIQ	108.7530, 108.2460, 20.6460

Conversions

Conversions Part 2

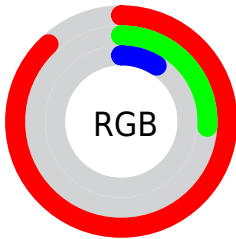
Format	Color
R_{YB}	225, 77, 24
Decimal	14762520
CIE Lab	51.80, 59.76, 56.67
CIE LCh	52, 82.358, 43.481
Yxy	19.9699, 0.5911, 0.3559
Android (android.graphics.Color)	4292952600 (0xFFE14218)
YUV	108.7530, -41.7832, 101.9486
Hunter-Lab	44.6877, 54.2792, 27.3357

Details

The Yxy color **19.9699, 0.5911, 0.3559** 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 **39.5297, 0.2094, 0.2677**, and the grayscale version is **15.3185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9203, 0.5147, 0.3731**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.1419, 0.6164, 0.3481**, and if you desaturate by 10%, it is **22.5205, 0.5564, 0.3609**.

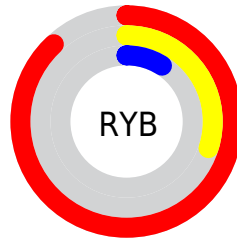
Distribution



Red (88%)

Green (26%)

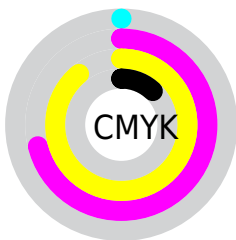
Blue (9%)



Red (88%)

Yellow (30%)

Blue (9%)

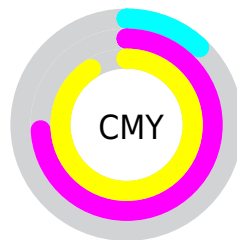


Cyan (0%)

Magenta (71%)

Yellow (89%)

Black (12%)



Cyan (12%)

Magenta (74%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9699, 0.5911, 0.3559 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 19.9699, 0.5911, 0.3559 by changing the saturation by 10% instead.


 19.9699, 0.5911,
0.3559


 19.9699, 0.5911,
0.3559


251.7521, 0.4427,
0.3618


 12.3732, 0.6249,
0.3450


 43.3667, 0.5381,
0.3647

 6.9984, 0.6711,
0.3289


 59.9356, 0.5176,
0.3659


 3.4611, 0.7082,
0.2918

 80.2640, 0.5001,
0.3660

 1.3769, 0.7619,
0.2381

 104.7362, 0.4852,
0.3656

 0.1996, 0.9064,
0.0936

 133.7368, 0.4723,
0.3649

 0.0000, 1.0000,
0.0000


 167.6500, 0.4611,


 0.0000, 0.0000,


0.3639


0.0000


 206.8603, 0.4513,
0.3629

 19.9699, 0.5911,
0.3559


 19.9699, 0.5911,
0.3559


 18.1419, 0.6164,
0.3481

 22.5205, 0.5564,
0.3609

 18.0385, 0.6179,
0.3476

 25.8650, 0.5160,
0.3623

 30.0659, 0.4749,
0.3604

 35.1785, 0.4363,
0.3564

 41.2528, 0.4023,
0.3511

■ 48.3357, 0.3731,
0.3453

■ 56.4704, 0.3487,
0.3395

■ 65.6978, 0.3284,
0.3339

■ 76.0568, 0.3117,
0.3287

Harmonies

Analogous

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



19.9699, 0.5458, 0.2777



19.9699, 0.5911, 0.3559



19.9699, 0.5361, 0.4476

Triad

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



19.9699, 0.5911, 0.3559



19.9699, 0.1918, 0.5191



19.9699, 0.1563, 0.1359

Complementary

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



19.9699, 0.5911, 0.3559



39.5297, 0.2094, 0.2677

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.



19.9699, 0.1078, 0.1458



19.9699, 0.5911, 0.3559



19.9699, 0.1180, 0.3245

Square

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



19.9699, 0.5911, 0.3559



19.9699, 0.3064, 0.6154



19.9699, 0.0949, 0.1983



19.9699, 0.2537, 0.1569

Rectangle

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



19.9699, 0.5911, 0.3559



19.9699, 0.4683, 0.5188



19.9699, 0.0949, 0.1983



19.9699, 0.1355, 0.1355

Sweetspot

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



19.9711, 0.5911, 0.3559



66.3603, 0.3676, 0.3441



20.1600, 0.3720, 0.1869



13.4568, 0.3767, 0.3461



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.



19.9711, 0.5911, 0.3559



23.8257, 0.6189, 0.3468



42.8863, 0.4732, 0.4548



14.1616, 0.3287, 0.3340



10.5299, 0.6155, 0.3495



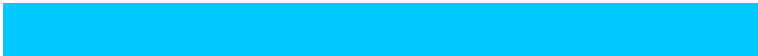
0.8589, 0.5861, 0.3729

Inverse Universe

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



39.5297, 0.2094, 0.2677



49.3609, 0.2053, 0.2590



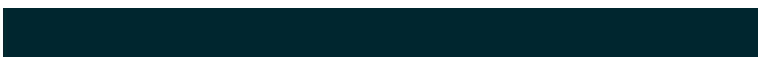
12.0261, 0.1686, 0.1181



15.0612, 0.2982, 0.3240



21.6653, 0.2058, 0.2607



1.6252, 0.2090, 0.2724

Previews

White Background



This preview shows how the Yxy color 19.9699, 0.5911, 0.3559 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 19.9699, 0.5911, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

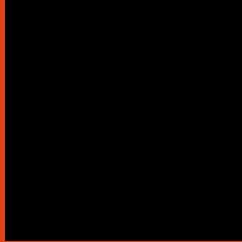
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9699, 0.5911, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 19.9699, 0.5911, 0.3559.



This preview shows how white text looks on a background with the Yxy color 19.9699, 0.5911, 0.3559.

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

19.9699, 0.5911, 0.3559

Protanopia

20.0442, 0.4234, 0.4662

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

19.9957, 0.5571, 0.3272

Trichromacy



Original Color

19.9699, 0.5911, 0.3559

Protanomaly

18.3563, 0.4944, 0.4182

Deuteranomaly

18.8885, 0.5250, 0.4166

Tritanomaly

19.9541, 0.5738, 0.3396

Monochromacy



Original Color

19.9699, 0.5911, 0.3559

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.9581, 0.4282, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9699, 0.5911, 0.3559 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(225, 66, 24)` looks like.

```
.text, #text, p{  
  color:rgb(225, 66, 24)  
}
```

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(225, 66, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 66, 24) }
```

Border

The CSS property to change the border of an element to Yxy 19.9699, 0.5911, 0.3559 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(225, 66, 24) }
```

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

```
.border{ border-color:rgb(225, 66, 24) }
```

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

Here you see how a box with a 4 pixel rgb(225, 66, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 66, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 66, 24);  
box-shadow:4px 4px 4px 4px rgb(225, 66,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9699, 0.5911, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 66, 24) }
```

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

```
.background{ background-color: rgb(225, 66,  
24) }
```

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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