

Converting Colors

$Y_{xy}(22.9638, 0.6001, 0.3511)$

Have a look what the booklet for
Yxy(22.9638, 0.6001, 0.3511)
contains.

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Color

Yxy(22.9618, 0.6006, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	F44017
RGB	244, 64, 23
RGB Percent	96%, 25%, 9%
CMY	0.0431, 0.7491, 0.9096
CMYK	0.00, 0.74, 0.91, 0.04
HSL	11°, 91%, 52%
HSV	11°, 91%, 96%
XYZ	39.3014, 22.9618, 3.1737
YIQ	113.1460, 120.4410, 25.4090

Conversions

Conversions Part 2

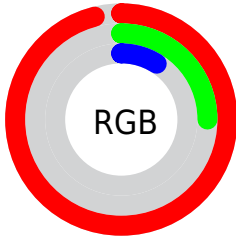
Format	Color
R_{YB}	244, 73, 23
Decimal	16007191
CIE Lab	55.03, 66.32, 60.92
CIE LCh	55, 90.056, 42.568
Yxy	22.9618, 0.6006, 0.3509
Android (android.graphics.Color)	4294197271 (0xFFFF44017)
YUV	113.1460, -44.4420, 114.7590
Hunter-Lab	47.9185, 62.5434, 29.6161

Details

The Yxy color **22.9618, 0.6006, 0.3509** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **49.4659, 0.2107, 0.2738**, and the grayscale version is **16.6667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1833, 0.5130, 0.3733**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.1287, 0.6226, 0.3438**, and if you desaturate by 10%, it is **25.7648, 0.5669, 0.3563**.

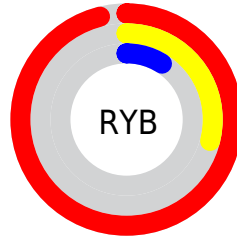
Distribution



Red (96%)

Green (25%)

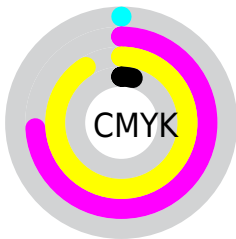
Blue (9%)



Red (96%)

Yellow (29%)

Blue (9%)

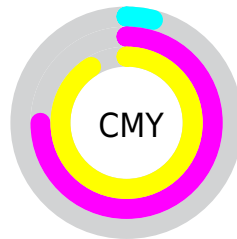


Cyan (0%)

Magenta (74%)

Yellow (91%)

Black (4%)



Cyan (4%)


Magenta (75%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9618, 0.6006, 0.3509 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 22.9618, 0.6006, 0.3509 by changing the saturation by 10% instead.


 22.9618, 0.6006,
0.3509


 22.9618, 0.6006,
0.3509


267.5287, 0.4516,
0.3613


 14.5653, 0.6331,
0.3393


 48.3306, 0.5486,
0.3613


 8.5149, 0.6769,
0.3231


 66.0717, 0.5281,
0.3632


 4.4261, 0.7119,
0.2881

 87.6964, 0.5105,
0.3639


 1.9147, 0.7608,
0.2392

 113.5892, 0.4954,
0.3640

 0.5572, 0.8408,
0.1592

 144.1344, 0.4822,
0.3636

 0.0000, 1.0000,
0.0000

 179.7165, 0.4707,

 0.0000, 0.0000,

0.3630

0.0000


 220.7198, 0.4605,
0.3622

 22.9618, 0.6006,
0.3509


 22.9618, 0.6006,
0.3509


 21.1287, 0.6226,
0.3438

 25.7648, 0.5669,
0.3563

 29.5517, 0.5263,
0.3583

 34.4074, 0.4838,
0.3572

 40.4061, 0.4436,
0.3539

 47.6152, 0.4079,
0.3494

 56.0968, 0.3775,
0.3443

 65.9086, 0.3520,
0.3390

 77.1049, 0.3309,
0.3340

 89.7369, 0.3136,
0.3293

Harmonies

Analogous

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



22.9618, 0.5519, 0.2723



22.9618, 0.6006, 0.3509



22.9618, 0.5438, 0.4441

Triad

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



22.9618, 0.6006, 0.3509



22.9618, 0.1892, 0.5348



22.9618, 0.1494, 0.1305

Complementary

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



22.9618, 0.6006, 0.3509



49.4659, 0.2107, 0.2738

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.



22.9618, 0.1017, 0.1411



22.9618, 0.6006, 0.3509



22.9618, 0.1131, 0.3285

Square

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



22.9618, 0.6006, 0.3509



22.9618, 0.3066, 0.6276



22.9618, 0.0894, 0.1956



22.9618, 0.2472, 0.1509

Rectangle

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



22.9618, 0.6006, 0.3509



22.9618, 0.4737, 0.5186



22.9618, 0.0894, 0.1956



22.9618, 0.1289, 0.1304

Sweetspot

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



22.9632, 0.6006, 0.3509



65.6146, 0.3680, 0.3424



24.1869, 0.3683, 0.1838



13.2852, 0.3773, 0.3442



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.



22.9632, 0.6006, 0.3509



23.3123, 0.6229, 0.3436



49.5873, 0.4791, 0.4516



16.9790, 0.3289, 0.3335



11.6299, 0.6203, 0.3456



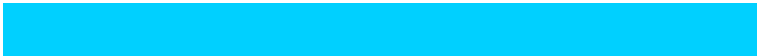
1.1554, 0.5980, 0.3634

Inverse Universe

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



49.4659, 0.2107, 0.2738



52.2148, 0.2076, 0.2673



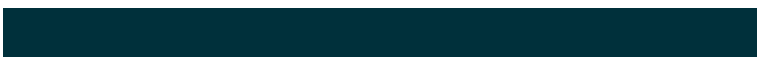
14.5479, 0.1682, 0.1188



18.2052, 0.2980, 0.3245



25.8994, 0.2079, 0.2686



2.4085, 0.2103, 0.2770

Previews

White Background



This preview shows how the Yxy color 22.9618, 0.6006, 0.3509 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 22.9618, 0.6006, 0.3509 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 22.9618, 0.6006, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 22.9618, 0.6006, 0.3509.



This preview shows how white text looks on a background with the Yxy color 22.9618, 0.6006, 0.3509.

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

22.9618, 0.6006, 0.3509

Protanopia

22.9516, 0.4243, 0.4671

Deuteranopia

22.8827, 0.4716, 0.4637



Tritanopia

22.9920, 0.5733, 0.3284

Trichromacy



Original Color

22.9618, 0.6006, 0.3509

Protanomaly

20.6982, 0.5019, 0.4143

Deuteranomaly

21.3201, 0.5308, 0.4130

Tritanomaly

22.9634, 0.5866, 0.3379

Monochromacy



Original Color

22.9618, 0.6006, 0.3509

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.3407, 0.4375, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9618, 0.6006, 0.3509 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(244, 64, 23)` looks like.

```
.text, #text, p{  
  color:rgb(244, 64, 23)  
}
```

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(244, 64, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 64, 23) }
```

Border

The CSS property to change the border of an element to Yxy 22.9618, 0.6006, 0.3509 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(244, 64, 23) }
```

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

```
.border{ border-color:rgb(244, 64, 23) }
```

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

Here you see how a box with a 4 pixel rgb(244, 64, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 64, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 64, 23);  
box-shadow:4px 4px 4px 4px rgb(244, 64,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9618, 0.6006, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 64, 23) }
```

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

```
.background{ background-color: rgb(244, 64,  
23) }
```

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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