

Converting Colors

$Y_{xy}(20.3702, 0.6346, 0.3344)$

Have a look what the booklet for
Yxy(20.3702, 0.6346, 0.3344)
contains.

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Color

Yxy(20.3869, 0.6344, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	F71700
RGB	247, 23, 0
RGB Percent	97%, 9%, 0%
CMY	0.0314, 0.9097, 1.0000
CMYK	0.00, 0.91, 1.00, 0.03
HSL	6°, 100%, 48%
HSV	6°, 100%, 97%
XYZ	38.6650, 20.3869, 1.8955
YIQ	87.3540, 140.8870, 40.3350

Conversions

Conversions Part 2

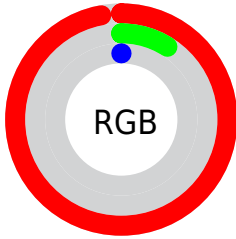
Format	Color
R_{YB}	247, 25, 0
Decimal	16193280
CIE Lab	52.27, 76.20, 65.88
CIE LCh	52, 100.730, 40.843
Yxy	20.3869, 0.6344, 0.3345
Android (android.graphics.Color)	4294383360 (0xFFFF71700)
YUV	87.3540, -43.0655, 140.0095
Hunter-Lab	45.1519, 73.8397, 29.1173

Details

The Yxy color **20.3869, 0.6344, 0.3345** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **60.0185, 0.2164, 0.2990**, and the grayscale version is **9.6860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6798, 0.5496, 0.3622**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.3883, 0.6344, 0.3345**, and if you desaturate by 10%, it is **21.7525, 0.6145, 0.3385**.

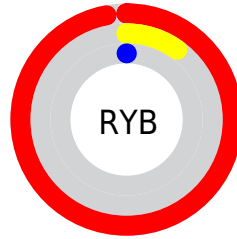
Distribution



Red (97%)

Green (9%)

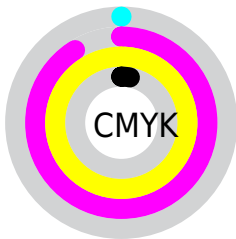
Blue (0%)



Red (97%)

Yellow (10%)

Blue (0%)

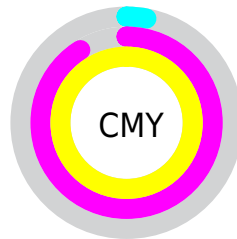


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (91%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3869, 0.6344, 0.3345 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 20.3869, 0.6344, 0.3345 by changing the saturation by 10% instead.


 20.3869, 0.6344,
0.3345


 20.3869, 0.6344,
0.3345


 254.0020, 0.4695,
0.3596


 12.6766, 0.6696,
0.3181


 44.0649, 0.5783,
0.3518


 7.2062, 0.7079,
0.2921


 60.8014, 0.5556,
0.3559


 3.5914, 0.7481,
0.2519


 81.3154, 0.5360,
0.3583

 1.4477, 0.8032,
0.1968

 105.9913, 0.5190,
0.3595

 0.2515, 0.9184,
0.0816

 135.2135, 0.5042,
0.3601

 0.0000, 1.0000,
0.0000


 169.3665, 0.4912,


 0.0000, 0.0000,

0.3602


0.0000


 208.8345, 0.4797,
0.3600


 20.3869, 0.6344,
0.3345


 20.3869, 0.6344,
0.3345

 20.3883, 0.6344,
0.3345

 21.7525, 0.6145,
0.3385

 24.1119, 0.5810,
0.3418

 27.6191, 0.5380,
0.3434

 32.3959, 0.4921,
0.3431

 38.5485, 0.4486,
0.3416

■ 46.1721, 0.4104,
0.3393

■ 55.3532, 0.3781,
0.3367

■ 66.1718, 0.3517,
0.3340

■ 78.7021, 0.3301,
0.3314

Harmonies

Analogous

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



20.3869, 0.5798, 0.2557



20.3869, 0.6344, 0.3345



20.3869, 0.5667, 0.4333

Triad

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



20.3869, 0.6344, 0.3345



20.3869, 0.1733, 0.5884



20.3869, 0.1283, 0.1119

Complementary

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



20.3869, 0.6344, 0.3345



60.0185, 0.2164, 0.2990

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.



20.3869, 0.0820, 0.1234



20.3869, 0.6344, 0.3345



20.3869, 0.0932, 0.3354

Square

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



20.3869, 0.6344, 0.3345



20.3869, 0.2978, 0.6702



20.3869, 0.0701, 0.1812



20.3869, 0.2289, 0.1314

Rectangle

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



20.3869, 0.6344, 0.3345



20.3869, 0.4835, 0.5165



20.3869, 0.0701, 0.1812



20.3869, 0.1081, 0.1121

Sweetspot

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



20.3883, 0.6344, 0.3345



59.4563, 0.3783, 0.3367



25.2889, 0.3435, 0.1666



11.7897, 0.3912, 0.3378



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.



20.3883, 0.6344, 0.3345



21.9036, 0.6345, 0.3344



39.7472, 0.5186, 0.4264



16.7307, 0.3291, 0.3313



10.8697, 0.6329, 0.3357



1.0378, 0.6175, 0.3479

Inverse Universe

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



60.0185, 0.2164, 0.2990



64.5039, 0.2164, 0.2989



16.3998, 0.1689, 0.1281



18.4782, 0.2981, 0.3267



31.8539, 0.2165, 0.2995



2.8752, 0.2176, 0.3035

Previews

White Background



This preview shows how the Yxy color 20.3869, 0.6344, 0.3345 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 20.3869, 0.6344, 0.3345 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 20.3869, 0.6344, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 20.3869, 0.6344, 0.3345.



This preview shows how white text looks on a background with the Yxy color 20.3869, 0.6344, 0.3345.

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

20.3869, 0.6344, 0.3345

Protanopia

20.6834, 0.4280, 0.4735

Deuteranopia

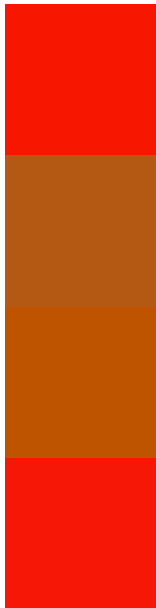
20.4628, 0.4702, 0.4649



Tritanopia

20.4067, 0.6318, 0.3330

Trichromacy



Original Color

20.3869, 0.6344, 0.3345

Protanomaly

16.8986, 0.5342, 0.4009

Deuteranomaly

17.2878, 0.5579, 0.3952

Tritanomaly

20.4001, 0.6326, 0.3335

Monochromacy



Original Color

20.3869, 0.6344, 0.3345

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.9624, 0.4905, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3869, 0.6344, 0.3345 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(247, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 23, 0)  
}
```

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(247, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 23, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3869, 0.6344, 0.3345 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(247, 23, 0) }
```

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

```
.border{ border-color:rgb(247, 23, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 23, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 23, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 23, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 23, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3869, 0.6344, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 23, 0) }
```

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

```
.background{ background-color: rgb(247, 23,  
0) }
```

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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