

Converting Colors

$Yxy(20.9443, 0.6348, 0.3326)$

Have a look what the booklet for
Yxy(20.9443, 0.6348, 0.3326)
contains.

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Color

Yxy(20.9837, 0.6348, 0.3327)

Conversions

Conversions Part 1

Format	Color
Hex	FB1304
RGB	251, 19, 4
RGB Percent	98%, 7%, 2%
CMY	0.0157, 0.9253, 0.9850
CMYK	0.00, 0.92, 0.98, 0.02
HSL	4°, 97%, 50%
HSV	4°, 98%, 98%
XYZ	40.0374, 20.9837, 2.0498
YIQ	86.6580, 143.0870, 44.5190

Conversions

Conversions Part 2

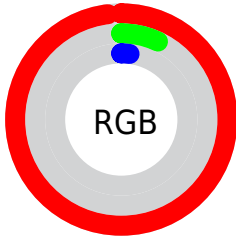
Format	Color
RYB	251, 20, 4
Decimal	16454404
CIELab	52.93, 77.69, 65.64
CIElCh	53, 101.711, 40.195
Yxy	20.9837, 0.6348, 0.3327
Android (android.graphics.Color)	4294644484 (0xFFFB1304)
YUV	86.6580, -40.7504, 144.1279
Hunter-Lab	45.8080, 75.8500, 29.4125

Details

The Yxy color **20.9837, 0.6348, 0.3327** 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 **66.8437, 0.2195, 0.3096**, and the grayscale version is **9.5229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7113, 0.5472, 0.3603**, and **10.1903, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.8640, 0.6369, 0.3325**, and if you desaturate by 10%, it is **22.2969, 0.6147, 0.3355**.

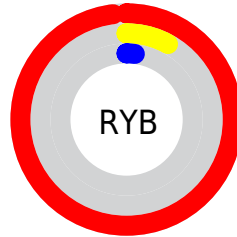
Distribution



Red (98%)

Green (7%)

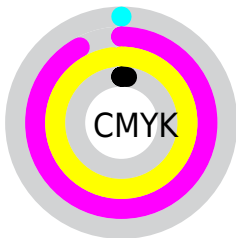
Blue (2%)



Red (98%)

Yellow (8%)

Blue (2%)

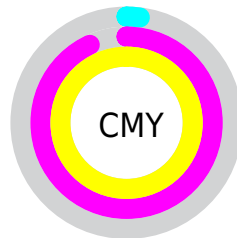


Cyan (0%)

Magenta (92%)

Yellow (98%)

Black (2%)



Cyan (2%)


Magenta (93%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9837, 0.6348, 0.3327 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 20.9837, 0.6348, 0.3327 by changing the saturation by 10% instead.


 20.9837, 0.6348,
0.3327


 20.9837, 0.6348,
0.3327


 257.1919, 0.4701,
0.3583


 13.1121, 0.6695,
0.3163

 45.0604, 0.5787,
0.3500

 7.5058, 0.7089,
0.2911


 62.0343, 0.5561,
0.3541


 3.7804, 0.7485,
0.2515

 82.8110, 0.5365,
0.3566

 1.5515, 0.8025,
0.1975

 107.7751, 0.5196,
0.3580

 0.3246, 0.9045,
0.0955

 137.3108, 0.5047,
0.3586


 0.0000, 1.0000,
0.0000


 171.8026, 0.4917,


 0.0000, 0.0000,


0.3588


0.0000

 211.6348, 0.4803,
0.3587

 20.9837, 0.6348,
0.3327


 20.9837, 0.6348,
0.3327

 20.8640, 0.6369,
0.3325

 22.2969, 0.6147,
0.3355

 24.6912, 0.5800,
0.3377

 28.3400, 0.5356,
0.3386

 33.3835, 0.4888,
0.3383

 39.9435, 0.4448,
0.3372

■ 48.1281, 0.4065,
0.3356

■ 58.0359, 0.3745,
0.3339

■ 69.7574, 0.3484,
0.3321

■ 83.3770, 0.3273,
0.3304

Harmonies

Analogous

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



20.9837, 0.5770, 0.2540



20.9837, 0.6348, 0.3327



20.9837, 0.5692, 0.4308

Triad

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



20.9837, 0.6348, 0.3327



20.9837, 0.1757, 0.5932



20.9837, 0.1268, 0.1118

Complementary

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



20.9837, 0.6348, 0.3327



66.8437, 0.2195, 0.3096

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.



20.9837, 0.0814, 0.1240



20.9837, 0.6348, 0.3327



20.9837, 0.0943, 0.3402

Square

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



20.9837, 0.6348, 0.3327



20.9837, 0.3007, 0.6691



20.9837, 0.0702, 0.1833



20.9837, 0.2260, 0.1306

Rectangle

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



20.9837, 0.6348, 0.3327



20.9837, 0.4864, 0.5136



20.9837, 0.0702, 0.1833



20.9837, 0.1070, 0.1122

Sweetspot

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



20.9850, 0.6348, 0.3327



58.4504, 0.3790, 0.3341



26.8026, 0.3339, 0.1617



11.5611, 0.3922, 0.3349



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.



20.9850, 0.6348, 0.3327



21.6223, 0.6369, 0.3325



39.2062, 0.5260, 0.4196



17.3968, 0.3293, 0.3305



11.0346, 0.6357, 0.3334



1.0804, 0.6254, 0.3416

Inverse Universe

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



66.8437, 0.2195, 0.3096



69.1181, 0.2193, 0.3093



19.2630, 0.1727, 0.1410



19.4145, 0.2980, 0.3275



35.1324, 0.2194, 0.3096



3.3078, 0.2200, 0.3121

Previews

White Background



This preview shows how the Yxy color 20.9837, 0.6348, 0.3327 looks on a white background.

Color Contrast Check

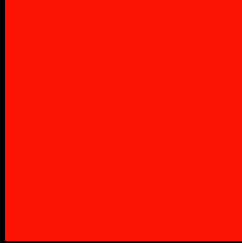
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9837, 0.6348, 0.3327 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 20.9837, 0.6348, 0.3327

Background



This preview shows how black text looks on a background with the Yxy color 20.9837, 0.6348, 0.3327.

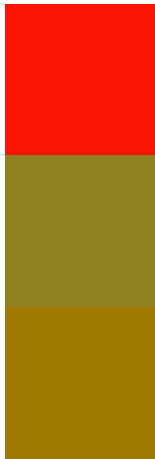


This preview shows how white text looks on a background with the Yxy color 20.9837, 0.6348, 0.3327.

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

20.9837, 0.6348, 0.3327

Protanopia

21.3823, 0.4275, 0.4734

Deuteranopia

21.1483, 0.4695, 0.4654



Tritanopia

20.8978, 0.6349, 0.3341

Trichromacy



Original Color

20.9837, 0.6348, 0.3327

Protanomaly

16.9825, 0.5364, 0.3974

Deuteranomaly

17.6803, 0.5597, 0.3932

Tritanomaly

20.8625, 0.6349, 0.3337

Monochromacy



Original Color

20.9837, 0.6348, 0.3327

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.9437, 0.4919, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9837, 0.6348, 0.3327 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(251, 19, 4)` looks like.

```
.text, #text, p{  
    color:rgb(251, 19, 4)  
}
```

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(251, 19, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 19, 4) }
```

Border

The CSS property to change the border of an element to Yxy 20.9837, 0.6348, 0.3327 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(251, 19, 4) }
```

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

```
.border{ border-color:rgb(251, 19, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 19, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 19, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 19, 4);  
box-shadow:4px 4px 4px 4px rgb(251, 19, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9837, 0.6348, 0.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 19, 4) }
```

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

```
.background{ background-color: rgb(251, 19,  
4) }
```

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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