

Converting Colors

$Yxy(21.0908, 0.6306, 0.3337)$

Have a look what the booklet for
Yxy(21.0908, 0.6306, 0.3337)
contains.

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Color

Yxy(21.0847, 0.6306, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	FA1A0A
RGB	250, 26, 10
RGB Percent	98%, 10%, 4%
CMY	0.0197, 0.8976, 0.9609
CMYK	0.00, 0.90, 0.96, 0.02
HSL	4°, 96%, 51%
HSV	4°, 96%, 98%
XYZ	39.8442, 21.0847, 2.2557
YIQ	91.1520, 138.6400, 42.5120

Conversions

Conversions Part 2

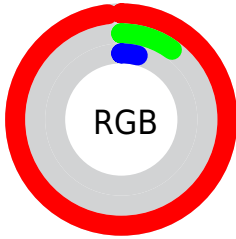
Format	Color
RYB	250, 27, 10
Decimal	16390666
CIELab	53.04, 76.61, 64.11
CIELCh	53, 99.897, 39.923
Yxy	21.0847, 0.6306, 0.3337
Android (android.graphics.Color)	4294580746 (0xFFFA1A0A)
YUV	91.1520, -40.0079, 139.3097
Hunter-Lab	45.9181, 74.5320, 29.2301

Details

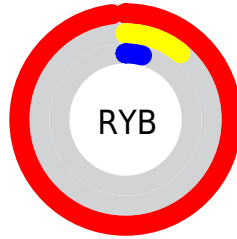
The Yxy color **21.0847, 0.6306, 0.3337** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **65.7214, 0.2194, 0.3084**, and the grayscale version is **10.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1329, 0.5428, 0.3602**, and **10.0673, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.7160, 0.6365, 0.3328**, and if you desaturate by 10%, it is **22.6738, 0.6066, 0.3368**.

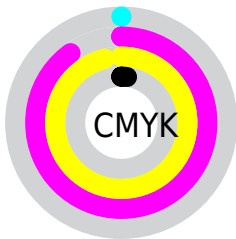
Distribution



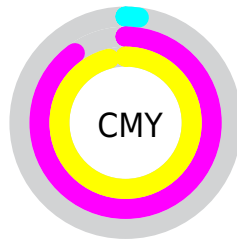
- Red (98%)
- Green (10%)
- Blue (4%)



- Red (98%)
- Yellow (11%)
- Blue (4%)



- Cyan (0%)
- Magenta (90%)
- Yellow (96%)
- Black (2%)




- Cyan (2%)
- Magenta (90%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0847, 0.6306, 0.3337 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 21.0847, 0.6306, 0.3337 by changing the saturation by 10% instead.


 21.0847, 0.6306,
0.3337


 21.0847, 0.6306,
0.3337

257.7283, 0.4671,
0.3577


 13.1859, 0.6652,
0.3178


 45.2285, 0.5745,
0.3501

 7.5567, 0.7062,
0.2938


 62.2422, 0.5521,
0.3540


 3.8126, 0.7455,
0.2545

 83.0631, 0.5327,
0.3563

 1.5693, 0.7993,
0.2007

 108.0755, 0.5159,
0.3575

 0.3368, 0.9002,
0.0998

 137.6639, 0.5013,
0.3581


 0.0000, 1.0000,
0.0000

 172.2125, 0.4884,

 0.0000, 0.0000,


0.3582

0.0000

 212.1058, 0.4772,
0.3580


 21.0847, 0.6306,
0.3337


 21.0847, 0.6306,
0.3337


 20.7160, 0.6365,
0.3328

 22.6738, 0.6066,
0.3368

 25.3771, 0.5688,
0.3388

 29.3515, 0.5233,
0.3395

 34.7276, 0.4770,
0.3389

 41.6200, 0.4344,
0.3376

■ 50.1313, 0.3978,
0.3358

■ 60.3553, 0.3674,
0.3338

■ 72.3786, 0.3427,
0.3319

■ 86.2817, 0.3228,
0.3300

Harmonies

Analogous

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



21.0847, 0.5712, 0.2550



21.0847, 0.6306, 0.3337



21.0847, 0.5687, 0.4313

Triad

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



21.0847, 0.6306, 0.3337



21.0847, 0.1797, 0.5889



21.0847, 0.1284, 0.1141

Complementary

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



21.0847, 0.6306, 0.3337



65.7214, 0.2194, 0.3084

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.



21.0847, 0.0835, 0.1268



21.0847, 0.6306, 0.3337



21.0847, 0.0977, 0.3427

Square

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



21.0847, 0.6306, 0.3337



21.0847, 0.3043, 0.6630



21.0847, 0.0727, 0.1868



21.0847, 0.2263, 0.1326

Rectangle

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



21.0847, 0.6306, 0.3337



21.0847, 0.4876, 0.5124



21.0847, 0.0727, 0.1868



21.0847, 0.1088, 0.1146

Sweetspot

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



21.0860, 0.6306, 0.3337



59.7257, 0.3760, 0.3344



26.4766, 0.3379, 0.1645



11.8089, 0.3890, 0.3352



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.



21.0860, 0.6306, 0.3337



21.6655, 0.6365, 0.3328



40.8923, 0.5171, 0.4251



17.4125, 0.3292, 0.3307



11.0605, 0.6353, 0.3338



1.0878, 0.6241, 0.3426

Inverse Universe

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



65.7214, 0.2194, 0.3084



68.2829, 0.2187, 0.3075



18.9933, 0.1730, 0.1404



19.3969, 0.2980, 0.3273



34.7159, 0.2189, 0.3078



3.2737, 0.2196, 0.3105

Previews

White Background



This preview shows how the Yxy color 21.0847, 0.6306, 0.3337 looks on a white background.

Color Contrast Check

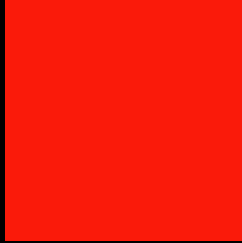
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0847, 0.6306, 0.3337 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 21.0847, 0.6306, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 21.0847, 0.6306, 0.3337.



This preview shows how white text looks on a background with the Yxy color 21.0847, 0.6306, 0.3337.

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

21.0847, 0.6306, 0.3337

Protanopia

21.3935, 0.4263, 0.4717

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.1002, 0.6287, 0.3326

Trichromacy



Original Color

21.0847, 0.6306, 0.3337

Protanomaly

17.4974, 0.5301, 0.3997

Deuteranomaly

18.0018, 0.5558, 0.3948

Tritanomaly

21.0945, 0.6294, 0.3330

Monochromacy



Original Color

21.0847, 0.6306, 0.3337

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.7517, 0.4795, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0847, 0.6306, 0.3337 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(250, 26, 10)` looks like.

```
.text, #text, p{  
    color:rgb(250, 26, 10)  
}
```

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(250, 26, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 26, 10) }
```

Border

The CSS property to change the border of an element to Yxy 21.0847, 0.6306, 0.3337 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(250, 26, 10) }
```

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

```
.border{ border-color:rgb(250, 26, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 26, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 26, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 26, 10);  
box-shadow:4px 4px 4px 4px rgb(250, 26,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0847, 0.6306, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 26, 10) }
```

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

```
.background{ background-color: rgb(250, 26,  
10) }
```

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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