

Converting Colors

$Y_{xy}(21.9871, 0.6338, 0.3350)$

Have a look what the booklet for
Yxy(21.9871, 0.6338, 0.3350)
contains.

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Color

Yxy(21.9988, 0.6337, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	FF1A00
RGB	255, 26, 0
RGB Percent	100%, 10%, 0%
CMY	0.0000, 0.8982, 0.9997
CMYK	0.00, 0.90, 1.00, 0.00
HSL	6°, 100%, 50%
HSV	6°, 100%, 100%
XYZ	41.6138, 21.9988, 2.0554
YIQ	91.5070, 144.8300, 40.4620

Conversions

Conversions Part 2

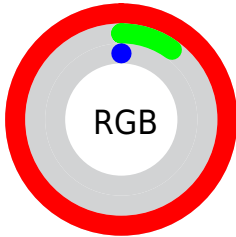
Format	Color
RYB	255, 29, 0
Decimal	16718336
CIELab	54.03, 77.83, 67.48
CIElCh	54, 103.012, 40.926
Yxy	21.9988, 0.6337, 0.3350
Android (android.graphics.Color)	4294908416 (0xFFFF1A00)
YUV	91.5070, -45.1130, 143.3834
Hunter-Lab	46.9029, 76.2913, 30.2338

Details

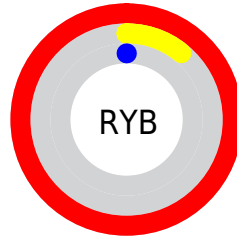
The Yxy color **21.9988, 0.6337, 0.3350** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **63.3264, 0.2156, 0.2962**, and the grayscale version is **10.6614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2867, 0.5452, 0.3637**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.9938, 0.6337, 0.3350**, and if you desaturate by 10%, it is **23.5193, 0.6136, 0.3394**.

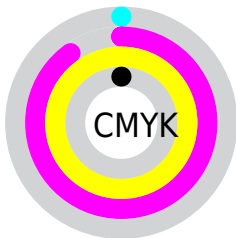
Distribution



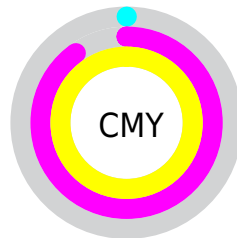
- Red (100%)
- Green (10%)
- Blue (0%)



- Red (100%)
- Yellow (11%)
- Blue (0%)



- Cyan (0%)
- Magenta (90%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (90%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9988, 0.6337, 0.3350 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 21.9988, 0.6337, 0.3350 by changing the saturation by 10% instead.


 21.9988, 0.6337,
0.3350


 21.9988, 0.6337,
0.3350


 262.5400, 0.4713,
0.3598


 13.8560, 0.6674,
0.3190


 46.7440, 0.5789,
0.3519


 8.0206, 0.7055,
0.2945

 64.1152, 0.5566,
0.3560


 4.1081, 0.7439,
0.2561

 85.3314, 0.5373,
0.3583

 1.7342, 0.7961,
0.2039

 110.7769, 0.5205,
0.3597

 0.4457, 0.8830,
0.1170

 140.8361, 0.5058,
0.3603


 0.0000, 1.0000,
0.0000


 175.8934, 0.4929,


 0.0000, 0.0000,


0.3604


0.0000


 216.3333, 0.4814,
0.3602


 21.9988, 0.6337,
0.3350

 21.9988, 0.6337,
0.3350


 21.9938, 0.6337,
0.3350

 23.5193, 0.6136,
0.3394

 26.1075, 0.5800,
0.3430

 29.9208, 0.5371,
0.3447

 35.0869, 0.4915,
0.3444

 41.7174, 0.4482,
0.3427

■ 49.9120, 0.4101,
0.3402

■ 59.7620, 0.3780,
0.3373

■ 71.3514, 0.3516,
0.3344

■ 84.7584, 0.3301,
0.3316

Harmonies

Analogous

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



21.9988, 0.5795, 0.2562



21.9988, 0.6337, 0.3350



21.9988, 0.5662, 0.4338

Triad

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



21.9988, 0.6337, 0.3350



21.9988, 0.1734, 0.5869



21.9988, 0.1288, 0.1123

Complementary

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



21.9988, 0.6337, 0.3350



63.3264, 0.2156, 0.2962

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.



21.9988, 0.0825, 0.1237



21.9988, 0.6337, 0.3350



21.9988, 0.0936, 0.3348

Square

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



21.9988, 0.6337, 0.3350



21.9988, 0.2978, 0.6695



21.9988, 0.0705, 0.1814



21.9988, 0.2295, 0.1318

Rectangle

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



21.9988, 0.6337, 0.3350



21.9988, 0.4832, 0.5168



21.9988, 0.0705, 0.1814



21.9988, 0.1086, 0.1124

Sweetspot

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



21.9976, 0.6337, 0.3350



59.7246, 0.3781, 0.3373



26.9476, 0.3484, 0.1693



11.8508, 0.3909, 0.3386



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.



21.9976, 0.6337, 0.3350



21.9938, 0.6337, 0.3350



44.0543, 0.5139, 0.4301



18.2836, 0.3292, 0.3315



11.5888, 0.6322, 0.3362



1.2221, 0.6174, 0.3480

Inverse Universe

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



63.3264, 0.2156, 0.2962



63.3208, 0.2156, 0.2961



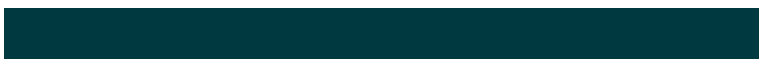
16.7338, 0.1675, 0.1229



20.1476, 0.2980, 0.3265



33.2146, 0.2158, 0.2967



3.3212, 0.2169, 0.3007

Previews

White Background



This preview shows how the Yxy color 21.9988, 0.6337, 0.3350 looks on a white background.

Color Contrast Check

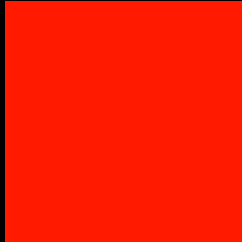
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9988, 0.6337, 0.3350 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 21.9988, 0.6337, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 21.9988, 0.6337, 0.3350.



This preview shows how white text looks on a background with the Yxy color 21.9988, 0.6337, 0.3350.

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

21.9988, 0.6337, 0.3350

Protanopia

22.1805, 0.4288, 0.4733

Deuteranopia

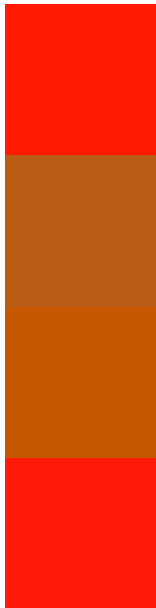
22.0584, 0.4711, 0.4641



Tritanopia

22.0333, 0.6295, 0.3326

Trichromacy



Original Color

21.9988, 0.6337, 0.3350

Protanomaly

18.1439, 0.5350, 0.4011

Deuteranomaly

18.8498, 0.5570, 0.3960

Tritanomaly

22.0207, 0.6310, 0.3335

Monochromacy



Original Color

21.9988, 0.6337, 0.3350

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.8991, 0.4897, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9988, 0.6337, 0.3350 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(255, 26, 0)` looks like.

```
.text, #text, p{  
  color:rgb(255, 26, 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(255, 26, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.9988, 0.6337, 0.3350 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(255, 26, 0) }
```

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

```
.border{ border-color:rgb(255, 26, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 26, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 26, 0)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.9988, 0.6337, 0.3350$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 0) }
```

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

```
.background{ background-color: rgb(255, 26,  
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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