

Converting Colors

$Y_{xy}(22.0186, 0.6335, 0.3352)$

Have a look what the booklet for
Yxy(22.0186, 0.6335, 0.3352)
contains.

Yxy(22.0439, 0.6333, 0.3353)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.0439, 0.6333, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	FF1B00
RGB	255, 27, 0
RGB Percent	100%, 11%, 0%
CMY	0.0000, 0.8942, 0.9995
CMYK	0.00, 0.89, 1.00, 0.00
HSL	6°, 100%, 50%
HSV	6°, 100%, 100%
XYZ	41.6356, 22.0439, 2.0644
YIQ	92.0940, 144.5550, 39.9390

Conversions

Conversions Part 2

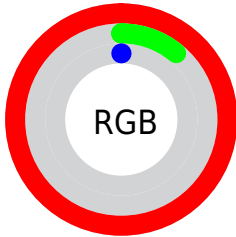
Format	Color
RYB	255, 30, 0
Decimal	16718592
CIELab	54.07, 77.69, 67.49
CIElCh	54, 102.910, 40.979
Yxy	22.0439, 0.6333, 0.3353
Android (android.graphics.Color)	4294908672 (0xFFFF1B00)
YUV	92.0940, -45.4023, 142.8686
Hunter-Lab	46.9509, 76.1277, 30.2588

Details

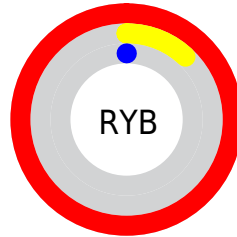
The Yxy color **22.0439, 0.6333, 0.3353** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **62.7926, 0.2153, 0.2949**, and the grayscale version is **10.8080, 0.3127, 0.3290**.

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 **22.0375, 0.6334, 0.3353**, and if you desaturate by 10%, it is **23.5969, 0.6130, 0.3399**.

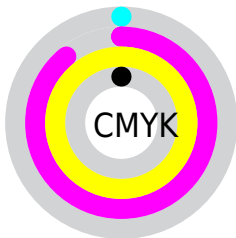
Distribution



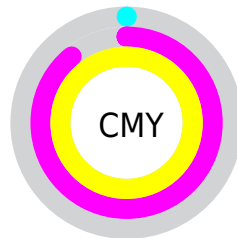
- Red (100%)
- Green (11%)
- Blue (0%)



- Red (100%)
- Yellow (12%)
- Blue (0%)



- Cyan (0%)
- Magenta (89%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (89%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0439, 0.6333, 0.3353 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 22.0439, 0.6333, 0.3353 by changing the saturation by 10% instead.


 22.0439, 0.6333,
0.3353


 22.0439, 0.6333,
0.3353


 262.7754, 0.4711,
0.3599


 13.8892, 0.6670,
0.3194


 46.8185, 0.5785,
0.3521

 8.0436, 0.7051,
0.2949


 64.2072, 0.5563,
0.3561


 4.1229, 0.7433,
0.2567

 85.4427, 0.5370,
0.3585

 1.7425, 0.7954,
0.2046

 110.9093, 0.5203,
0.3598

 0.4510, 0.8819,
0.1181

 140.9915, 0.5056,
0.3604

 0.0000, 1.0000,
0.0000


 176.0737, 0.4927,


 0.0000, 0.0000,


0.3605


0.0000

 216.5402, 0.4813,
0.3603


 22.0439, 0.6333,
0.3353


 22.0439, 0.6333,
0.3353


 22.0375, 0.6334,
0.3353

 23.5969, 0.6130,
0.3399

 26.2144, 0.5793,
0.3436

 30.0519, 0.5365,
0.3453

 35.2353, 0.4910,
0.3449

 41.8744, 0.4478,
0.3432

■ 50.0678, 0.4099,
0.3406

■ 59.9054, 0.3778,
0.3376

■ 71.4704, 0.3515,
0.3346

■ 84.8401, 0.3300,
0.3317

Harmonies

Analogous

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



22.0439, 0.5793, 0.2565



22.0439, 0.6333, 0.3353



22.0439, 0.5659, 0.4341

Triad

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



22.0439, 0.6333, 0.3353



22.0439, 0.1735, 0.5860



22.0439, 0.1291, 0.1125

Complementary

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



22.0439, 0.6333, 0.3353



62.7926, 0.2153, 0.2949

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.



22.0439, 0.0827, 0.1239



22.0439, 0.6333, 0.3353



22.0439, 0.0937, 0.3345

Square

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



22.0439, 0.6333, 0.3353



22.0439, 0.2978, 0.6691



22.0439, 0.0707, 0.1814



22.0439, 0.2299, 0.1321

Rectangle

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



22.0439, 0.6333, 0.3353



22.0439, 0.4829, 0.5171



22.0439, 0.0707, 0.1814



22.0439, 0.1089, 0.1126

Sweetspot

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



22.0434, 0.6333, 0.3353



59.8479, 0.3780, 0.3376



26.9489, 0.3484, 0.1693



11.8789, 0.3908, 0.3389



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.



22.0434, 0.6333, 0.3353



22.0375, 0.6334, 0.3353



44.0608, 0.5139, 0.4301



18.2948, 0.3292, 0.3316



11.6143, 0.6318, 0.3366



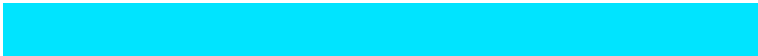
1.2274, 0.6166, 0.3486

Inverse Universe

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



62.7926, 0.2153, 0.2949



62.7837, 0.2152, 0.2949



16.7398, 0.1675, 0.1229



20.1352, 0.2980, 0.3264



32.9380, 0.2154, 0.2955



3.2970, 0.2166, 0.2996

Previews

White Background



This preview shows how the Yxy color 22.0439, 0.6333, 0.3353 looks on a white background.

Color Contrast Check

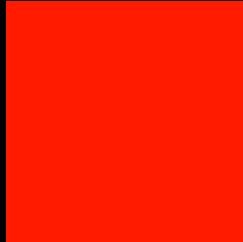
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0439, 0.6333, 0.3353 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 22.0439, 0.6333, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 22.0439, 0.6333, 0.3353.



This preview shows how white text looks on a background with the Yxy color 22.0439, 0.6333, 0.3353.

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

22.0439, 0.6333, 0.3353

Protanopia

22.1805, 0.4288, 0.4733

Deuteranopia

22.0584, 0.4711, 0.4641



Tritanopia

22.0843, 0.6284, 0.3325

Trichromacy



Original Color

22.0439, 0.6333, 0.3353

Protanomaly

18.3183, 0.5335, 0.4024

Deuteranomaly

18.8498, 0.5570, 0.3960

Tritanomaly

22.0680, 0.6304, 0.3337

Monochromacy



Original Color

22.0439, 0.6333, 0.3353

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.0293, 0.4867, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0439, 0.6333, 0.3353 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, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 27, 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, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0439, 0.6333, 0.3353 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, 27, 0) }
```

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

```
.border{ border-color:rgb(255, 27, 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, 27, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 27, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.0439, 0.6333, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 0) }
```

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

```
.background{ background-color: rgb(255, 27,  
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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