

Converting Colors

$Y_{xy}(19.5792, 0.6337, 0.3350)$

Have a look what the booklet for
Yxy(19.5792, 0.6337, 0.3350)
contains.

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Color

Yxy(19.5305, 0.6337, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	F21800
RGB	242, 24, 0
RGB Percent	95%, 9%, 0%
CMY	0.0510, 0.9058, 0.9997
CMYK	0.00, 0.90, 1.00, 0.05
HSL	6°, 100%, 47%
HSV	6°, 100%, 95%
XYZ	36.9447, 19.5305, 1.8248
YIQ	86.4460, 137.6320, 38.7520

Conversions

Conversions Part 2

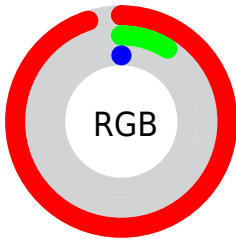
Format	Color
RYB	242, 27, 0
Decimal	15865856
CIELab	51.30, 74.81, 64.86
CIElCh	51, 99.006, 40.926
Yxy	19.5305, 0.6337, 0.3350
Android (android.graphics.Color)	4294055936 (0xFFFF21800)
YUV	86.4460, -42.6179, 136.4209
Hunter-Lab	44.1933, 71.8840, 28.4872

Details

The Yxy color **19.5305, 0.6337, 0.3350** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **56.5770, 0.2159, 0.2971**, and the grayscale version is **9.4827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6798, 0.5496, 0.3622**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.5286, 0.6337, 0.3350**, and if you desaturate by 10%, it is **20.8853, 0.6133, 0.3393**.

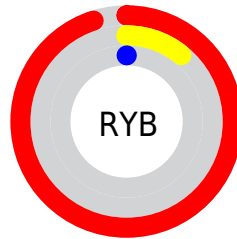
Distribution



Red (95%)

Green (9%)

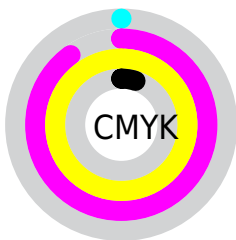
Blue (0%)



Red (95%)

Yellow (11%)

Blue (0%)

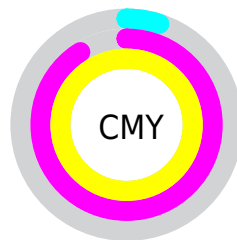


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5305, 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 19.5305, 0.6337, 0.3350 by changing the saturation by 10% instead.


 19.5305, 0.6337,
0.3350


 19.5305, 0.6337,
0.3350


 249.3620, 0.4679,
0.3596


 12.0542, 0.6697,
0.3186


 42.6286, 0.5769,
0.3523

 6.7806, 0.7082,
0.2918

 59.0193, 0.5541,
0.3563

 3.3253, 0.7494,
0.2506

 79.1501, 0.5344,
0.3586

 1.3038, 0.8062,
0.1938

 103.4056, 0.5174,
0.3598

 0.1442, 0.9462,
0.0538

 132.1702, 0.5025,
0.3603


 0.0000, 1.0000,
0.0000


 165.8282, 0.4895,


 0.0000, 0.0000,


0.3604

0.0000


 204.7640, 0.4780,
0.3601

 19.5305, 0.6337,
0.3350


 19.5305, 0.6337,
0.3350


 19.5286, 0.6337,
0.3350

 20.8853, 0.6133,
0.3393

 23.1852, 0.5796,
0.3427

 26.5726, 0.5366,
0.3443

 31.1607, 0.4910,
0.3440

 37.0485, 0.4478,
0.3423

■ 44.3243, 0.4098,
0.3399

■ 53.0691, 0.3778,
0.3371

■ 63.3574, 0.3515,
0.3343

■ 75.2586, 0.3300,
0.3315

Harmonies

Analogous

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



19.5305, 0.5795, 0.2562



19.5305, 0.6337, 0.3350



19.5305, 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.



19.5305, 0.6337, 0.3350



19.5305, 0.1734, 0.5869



19.5305, 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.



19.5305, 0.6337, 0.3350



56.5770, 0.2159, 0.2971

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.



19.5305, 0.0825, 0.1237



19.5305, 0.6337, 0.3350



19.5305, 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.



19.5305, 0.6337, 0.3350



19.5305, 0.2978, 0.6695



19.5305, 0.0705, 0.1814



19.5305, 0.2295, 0.1318

Rectangle

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



19.5305, 0.6337, 0.3350



19.5305, 0.4832, 0.5168



19.5305, 0.0705, 0.1814



19.5305, 0.1086, 0.1124

Sweetspot

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



19.5317, 0.6337, 0.3350



59.6438, 0.3782, 0.3371



24.1439, 0.3434, 0.1666



11.8324, 0.3910, 0.3383



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.



19.5317, 0.6337, 0.3350



21.9660, 0.6340, 0.3348



37.9855, 0.5184, 0.4265



16.0105, 0.3291, 0.3314



10.5795, 0.6322, 0.3362



0.9642, 0.6153, 0.3496

Inverse Universe

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



56.5770, 0.2159, 0.2971



63.6751, 0.2158, 0.2970



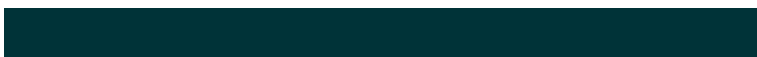
15.6951, 0.1690, 0.1283



17.6458, 0.2981, 0.3266



30.5062, 0.2160, 0.2976



2.6146, 0.2173, 0.3021

Previews

White Background



This preview shows how the Yxy color 19.5305, 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 19.5305, 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 19.5305, 0.6337, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 19.5305, 0.6337, 0.3350.



This preview shows how white text looks on a background with the Yxy color 19.5305, 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

19.5305, 0.6337, 0.3350

Protanopia

19.6681, 0.4278, 0.4724

Deuteranopia

19.6911, 0.4697, 0.4653



Tritanopia

19.5596, 0.6297, 0.3327

Trichromacy



Original Color

19.5305, 0.6337, 0.3350

Protanomaly

16.0970, 0.5336, 0.4007

Deuteranomaly

16.7513, 0.5572, 0.3957

Tritanomaly

19.5480, 0.6313, 0.3336

Monochromacy



Original Color

19.5305, 0.6337, 0.3350

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.6705, 0.4888, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5305, 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(242, 24, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 24, 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(242, 24, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 24, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.5305, 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(242, 24, 0) }
```

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

```
.border{ border-color:rgb(242, 24, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 24, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 24, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 24, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 24, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.5305, 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(242, 24, 0) }
```

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

```
.background{ background-color: rgb(242, 24,  
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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