

Converting Colors

$Yxy(18.9903, 0.6337, 0.3300)$

Have a look what the booklet for
Yxy(18.9903, 0.6337, 0.3300)
contains.

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Color

Yxy(18.9903, 0.6337, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	F10C0C
RGB	241, 12, 12
RGB Percent	95%, 5%, 5%
CMY	0.0550, 0.9520, 0.9532
CMYK	0.00, 0.95, 0.95, 0.05
HSL	0°, 91%, 50%
HSV	0°, 95%, 95%
XYZ	36.4671, 18.9903, 2.0889
YIQ	80.4710, 136.4840, 48.5480

Conversions

Conversions Part 2

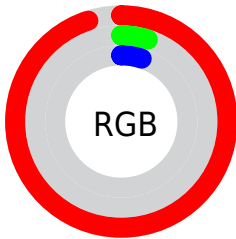
Format	Color
RYB	241, 12, 12
Decimal	15797260
CIELab	50.68, 75.93, 61.42
CIElCh	51, 97.657, 38.970
Yxy	18.9903, 0.6337, 0.3300
Android (android.graphics.Color)	4293987340 (0xFFFF10C0C)
YUV	80.4710, -33.7562, 140.7839
Hunter-Lab	43.5779, 73.1124, 27.6624

Details

The Yxy color **18.9903, 0.6337, 0.3300** 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 **69.1409, 0.2250, 0.3284**, and the grayscale version is **8.1917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9959, 0.5482, 0.3548**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.7035, 0.6400, 0.3300**, and if you desaturate by 10%, it is **20.1040, 0.6111, 0.3300**.

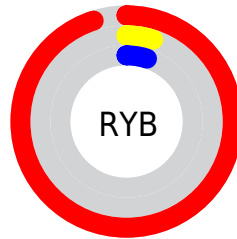
Distribution



Red (95%)

Green (5%)

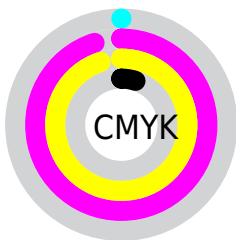
Blue (5%)



Red (95%)

Yellow (5%)

Blue (5%)

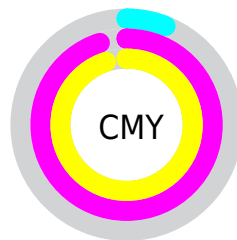


Cyan (0%)

Magenta (95%)

Yellow (95%)

Black (5%)



Cyan (6%)


Magenta (95%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9903, 0.6337, 0.3300 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 18.9903, 0.6337, 0.3300 by changing the saturation by 10% instead.


 18.9903, 0.6337,
0.3300


 18.9903, 0.6337,
0.3300


246.3952, 0.4655,
0.3558


 11.6633, 0.6704,
0.3132


 41.7177, 0.5753,
0.3474


 6.5148, 0.7130,
0.2870


 57.8869, 0.5521,
0.3515


 3.1606, 0.7551,
0.2449

 77.7722, 0.5321,
0.3540

 1.2161, 0.8131,
0.1869

 101.7581, 0.5150,
0.3553

 0.0748, 0.9704,
0.0296

 130.2290, 0.5001,
0.3560


 0.0000, 1.0000,
0.0000


 163.5692, 0.4870,


 0.0000, 0.0000,


0.3562


0.0000


 202.1631, 0.4756,
0.3561

 18.9903, 0.6337,
0.3300


 18.9903, 0.6337,
0.3300


 18.7035, 0.6400,
0.3300

 20.1040, 0.6111,
0.3300

 22.2942, 0.5731,
0.3299

 25.7478, 0.5262,
0.3298

 30.6160, 0.4782,
0.3297

 37.0290, 0.4342,
0.3295

■ 45.1019, 0.3966,
0.3294

■ 54.9392, 0.3657,
0.3292

■ 66.6365, 0.3409,
0.3291

■ 80.2828, 0.3211,
0.3290

Harmonies

Analogous

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



18.9903, 0.5696, 0.2515



18.9903, 0.6337, 0.3300



18.9903, 0.5731, 0.4269

Triad

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



18.9903, 0.6337, 0.3300



18.9903, 0.1814, 0.5994



18.9903, 0.1249, 0.1126

Complementary

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



18.9903, 0.6337, 0.3300



69.1409, 0.2250, 0.3284

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.



18.9903, 0.0813, 0.1263



18.9903, 0.6337, 0.3300



18.9903, 0.0974, 0.3496

Square

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



18.9903, 0.6337, 0.3300



18.9903, 0.3072, 0.6648



18.9903, 0.0713, 0.1883



18.9903, 0.2211, 0.1301

Rectangle

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



18.9903, 0.6337, 0.3300



18.9903, 0.4919, 0.5081



18.9903, 0.0713, 0.1883



18.9903, 0.1058, 0.1134

Sweetspot

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



18.9915, 0.6337, 0.3300



57.7068, 0.3774, 0.3293



25.3071, 0.3209, 0.1553



11.3497, 0.3909, 0.3294



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.



18.9915, 0.6337, 0.3300



21.2674, 0.6400, 0.3300



33.7603, 0.5337, 0.4109



15.7623, 0.3293, 0.3291



10.1464, 0.6400, 0.3300



0.8453, 0.6397, 0.3303

Inverse Universe

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



69.1409, 0.2250, 0.3284



78.5213, 0.2245, 0.3283



21.4645, 0.1796, 0.1637



17.9251, 0.2981, 0.3289



37.4567, 0.2245, 0.3283



3.1172, 0.2246, 0.3284

Previews

White Background



This preview shows how the Yxy color 18.9903, 0.6337, 0.3300 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 18.9903, 0.6337, 0.3300 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 18.9903, 0.6337, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 18.9903, 0.6337, 0.3300.



This preview shows how white text looks on a background with the Yxy color 18.9903, 0.6337, 0.3300.

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

18.9903, 0.6337, 0.3300

Protanopia

19.3588, 0.4253, 0.4683

Deuteranopia

19.3608, 0.4700, 0.4650



Tritanopia

19.0991, 0.6344, 0.3345

Trichromacy



Original Color

18.9903, 0.6337, 0.3300

Protanomaly

15.2277, 0.5358, 0.3905

Deuteranomaly

15.8966, 0.5627, 0.3890

Tritanomaly

18.9666, 0.6345, 0.3327

Monochromacy



Original Color

18.9903, 0.6337, 0.3300

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.6028, 0.4894, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9903, 0.6337, 0.3300 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(241, 12, 12)` looks like.

```
.text, #text, p{  
    color:rgb(241, 12, 12)  
}
```

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(241, 12, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 12, 12) }
```

Border

The CSS property to change the border of an element to Yxy 18.9903, 0.6337, 0.3300 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(241, 12, 12) }
```

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

```
.border{ border-color:rgb(241, 12, 12) }
```

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

Here you see how a box with a 4 pixel rgb(241, 12, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 12, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 12, 12);  
box-shadow:4px 4px 4px 4px rgb(241, 12,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9903, 0.6337, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 12, 12) }
```

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

```
.background{ background-color: rgb(241, 12,  
12) }
```

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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