

Converting Colors

$Yxy(18.9754, 0.6369, 0.3282)$

Have a look what the booklet for
Yxy(18.9754, 0.6369, 0.3282)
contains.

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Color

Yxy(18.8992, 0.6370, 0.3283)

Conversions

Conversions Part 1

Format	Color
Hex	F2000A
RGB	242, 0, 10
RGB Percent	95%, 0%, 4%
CMY	0.0510, 0.9994, 0.9614
CMYK	0.00, 1.00, 0.96, 0.05
HSL	358°, 100%, 47%
HSV	358°, 100%, 95%
XYZ	36.6701, 18.8992, 1.9976
YIQ	73.4980, 141.0220, 54.4140

Conversions

Conversions Part 2

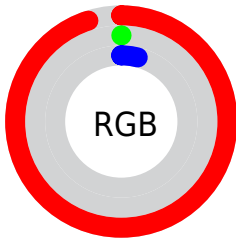
Format	Color
R_{YB}	242, 0, 10
Decimal	15859722
CIE _{Lab}	50.57, 77.06, 62.03
CIE _{LCh}	51, 98.920, 38.831
Yxy	18.8992, 0.6370, 0.3283
Android (android.graphics.Color)	4294049802 (0xFFFF2000A)
YUV	73.4980, -31.3045, 147.7763
Hunter-Lab	43.4732, 74.4884, 27.7069

Details

The Yxy color **18.8992, 0.6370, 0.3283** 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 **69.3434, 0.2281, 0.3412**, and the grayscale version is **6.8039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6243, 0.5509, 0.3537**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.8970, 0.6371, 0.3283**, and if you desaturate by 10%, it is **19.6534, 0.6188, 0.3267**.

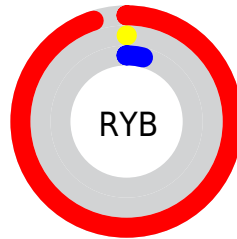
Distribution



Red (95%)

Green (0%)

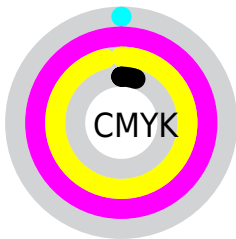
Blue (4%)



Red (95%)

Yellow (0%)

Blue (4%)

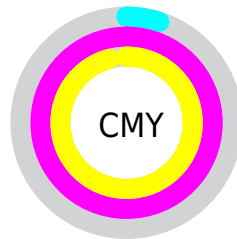


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (5%)



Cyan (5%)


Magenta (100%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8992, 0.6370, 0.3283 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 18.8992, 0.6370, 0.3283 by changing the saturation by 10% instead.


 18.8992, 0.6370,
0.3283


 18.8992, 0.6370,
0.3283


245.8917, 0.4675,
0.3556


 11.5975, 0.6740,
0.3111


 41.5637, 0.5783,
0.3464


 6.4702, 0.7158,
0.2842


 57.6953, 0.5549,
0.3507


 3.1331, 0.7583,
0.2417

 77.5389, 0.5348,
0.3534

 1.2016, 0.8165,
0.1835

 101.4790, 0.5175,
0.3548

 0.0630, 0.9753,
0.0247

 129.8999, 0.5024,
0.3556


 0.0000, 1.0000,
0.0000


 163.1861, 0.4893,


 0.0000, 0.0000,

0.3559

0.0000

 201.7219, 0.4777,
0.3558


 18.8992, 0.6370,
0.3283

 18.8992, 0.6370,
0.3283


 18.8970, 0.6371,
0.3283

 19.6534, 0.6188,
0.3267

 21.3227, 0.5855,
0.3250

 24.1791, 0.5415,
0.3240

 28.3885, 0.4941,
0.3238

 34.0904, 0.4492,
0.3242

■ 41.4070, 0.4100,
0.3250

■ 50.4478, 0.3773,
0.3260

■ 61.3130, 0.3508,
0.3270

■ 74.0947, 0.3296,
0.3280

Harmonies

Analogous

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



18.8992, 0.5723, 0.2499



18.8992, 0.6370, 0.3283



18.8992, 0.5747, 0.4253

Triad

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



18.8992, 0.6370, 0.3283



18.8992, 0.1797, 0.6051



18.8992, 0.1230, 0.1108

Complementary

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



18.8992, 0.6370, 0.3283



69.3434, 0.2281, 0.3412

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.



18.8992, 0.0795, 0.1246



18.8992, 0.6370, 0.3283



18.8992, 0.0955, 0.3505

Square

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



18.8992, 0.6370, 0.3283



18.8992, 0.3061, 0.6688



18.8992, 0.0695, 0.1869



18.8992, 0.2194, 0.1283

Rectangle

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



18.8992, 0.6370, 0.3283



18.8992, 0.4926, 0.5074



18.8992, 0.0695, 0.1869



18.8992, 0.1039, 0.1117

Sweetspot

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



18.9004, 0.6370, 0.3283



56.6596, 0.3778, 0.3260



23.2197, 0.3082, 0.1472



11.1563, 0.3908, 0.3255



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.



18.9004, 0.6370, 0.3283



21.2824, 0.6373, 0.3284



29.8081, 0.5579, 0.3952



15.7691, 0.3287, 0.3281



10.1571, 0.6358, 0.3276



0.8486, 0.6248, 0.3216

Inverse Universe

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



18.9004, 0.6370, 0.3283



21.2824, 0.6373, 0.3284



23.2302, 0.1812, 0.1723



15.7691, 0.3287, 0.3281



10.1571, 0.6358, 0.3276



0.8486, 0.6248, 0.3216

Previews

White Background



This preview shows how the Yxy color 18.8992, 0.6370, 0.3283 looks on a white background.

Color Contrast Check

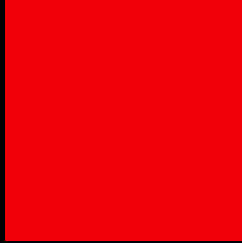
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8992, 0.6370, 0.3283 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 18.8992, 0.6370, 0.3283

Background



This preview shows how black text looks on a background with the Yxy color 18.8992, 0.6370, 0.3283.



This preview shows how white text looks on a background with the Yxy color 18.8992, 0.6370, 0.3283.

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

18.8992, 0.6370, 0.3283

Protanopia

19.3529, 0.4259, 0.4693

Deuteranopia

19.3608, 0.4700, 0.4650



Tritanopia

19.0991, 0.6344, 0.3345

Trichromacy



Original Color

18.8992, 0.6370, 0.3283

Protanomaly

14.6329, 0.5434, 0.3864

Deuteranomaly

15.3454, 0.5688, 0.3842

Tritanomaly

19.0236, 0.6357, 0.3317

Monochromacy



Original Color

18.8992, 0.6370, 0.3283

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.4229, 0.5050, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8992, 0.6370, 0.3283 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, 0, 10)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 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(242, 0, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 10) }
```

Border

The CSS property to change the border of an element to Yxy 18.8992, 0.6370, 0.3283 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, 0, 10) }
```

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

```
.border{ border-color:rgb(242, 0, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.8992, 0.6370, 0.3283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 10) }
```

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

```
.background{ background-color: rgb(242, 0,  
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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