

Converting Colors

$Yxy(18.9432, 0.6308, 0.3249)$

Have a look what the booklet for
Yxy(18.9432, 0.6308, 0.3249)
contains.

Yxy(18.9432, 0.6308, 0.3249)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.9432, 0.6308, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	F20018
RGB	242, 0, 24
RGB Percent	95%, 0%, 9%
CMY	0.0511, 0.9992, 0.9058
CMYK	0.00, 1.00, 0.90, 0.05
HSL	354°, 100%, 47%
HSV	354°, 100%, 95%
XYZ	36.7786, 18.9432, 2.5829
YIQ	75.0940, 136.5280, 58.7680

Conversions

Conversions Part 2

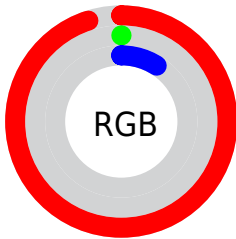
Format	Color
R_{YB}	242, 0, 24
Decimal	15859736
CIE Lab	50.62, 77.19, 57.40
CIE LCh	51, 96.195, 36.632
Yxy	18.9432, 0.6308, 0.3249
Android (android.graphics.Color)	4294049816 (0xFFFF20018)
YUV	75.0940, -25.1893, 146.3766
Hunter-Lab	43.5238, 74.6700, 26.9481

Details

The Yxy color **18.9432, 0.6308, 0.3249** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **68.5656, 0.2334, 0.3602**, and the grayscale version is **7.1033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7333, 0.5424, 0.3475**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9394, 0.6309, 0.3249**, and if you desaturate by 10%, it is **19.7398, 0.6079, 0.3206**.

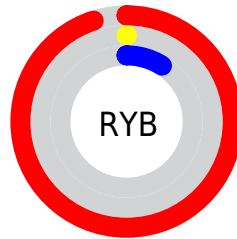
Distribution



Red (95%)

Green (0%)

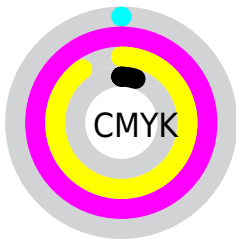
Blue (9%)



Red (95%)

Yellow (0%)

Blue (9%)

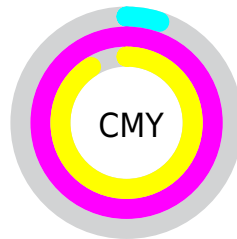


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (5%)



Cyan (5%)

Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9432, 0.6308, 0.3249 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 18.9432, 0.6308, 0.3249 by changing the saturation by 10% instead.


 18.9432, 0.6308,
0.3249

 18.9432, 0.6308,
0.3249


246.1350, 0.4620,
0.3513


 11.6292, 0.6683,
0.3083


 41.6381, 0.5712,
0.3419


 6.4918, 0.7159,
0.2841


 57.7878, 0.5478,
0.3461


 3.1463, 0.7583,
0.2417

 77.6516, 0.5279,
0.3486

 1.2086, 0.8165,
0.1835

 101.6138, 0.5108,
0.3501

 0.0687, 0.9733,
0.0267

 130.0589, 0.4960,
0.3509


 0.0000, 1.0000,
0.0000


 163.3712, 0.4832,

 0.0000, 0.0000,

0.3513


0.0000


 201.9351, 0.4719,
0.3514


 18.9432, 0.6308,
0.3249

 18.9432, 0.6308,
0.3249


 18.9394, 0.6309,
0.3249

 19.7398, 0.6079,
0.3206

 21.4501, 0.5721,
0.3169

 24.3411, 0.5282,
0.3151

 28.5758, 0.4827,
0.3152

 34.2910, 0.4404,
0.3165

■ 41.6071, 0.4038,
0.3187

■ 50.6319, 0.3733,
0.3213

■ 61.4639, 0.3485,
0.3240

■ 74.1939, 0.3286,
0.3266

Harmonies

Analogous

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



18.9432, 0.5552, 0.2468



18.9432, 0.6308, 0.3249



18.9432, 0.5802, 0.4198

Triad

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



18.9432, 0.6308, 0.3249



18.9432, 0.1925, 0.6098



18.9432, 0.1216, 0.1142

Complementary

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



18.9432, 0.6308, 0.3249



68.5656, 0.2334, 0.3602

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.



18.9432, 0.0811, 0.1308



18.9432, 0.6308, 0.3249



18.9432, 0.1039, 0.3678

Square

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



18.9432, 0.6308, 0.3249



18.9432, 0.3194, 0.6561



18.9432, 0.0737, 0.1983



18.9432, 0.2124, 0.1293

Rectangle

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



18.9432, 0.6308, 0.3249



18.9432, 0.5019, 0.4981



18.9432, 0.0737, 0.1983



18.9432, 0.1037, 0.1158

Sweetspot

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



18.9444, 0.6308, 0.3249



56.8468, 0.3737, 0.3213



21.2893, 0.2955, 0.1401



11.1988, 0.3859, 0.3202



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.



18.9444, 0.6308, 0.3249



21.3307, 0.6313, 0.3251



27.4077, 0.5723, 0.3837



15.7841, 0.3278, 0.3267



10.1850, 0.6287, 0.3237



0.8557, 0.6042, 0.3102

Inverse Universe

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



18.9444, 0.6308, 0.3249



21.3307, 0.6313, 0.3251



26.7441, 0.1862, 0.1901



15.7841, 0.3278, 0.3267



10.1850, 0.6287, 0.3237



0.8557, 0.6042, 0.3102

Previews

White Background



This preview shows how the Yxy color 18.9432, 0.6308, 0.3249 looks on a white background.

Color Contrast Check

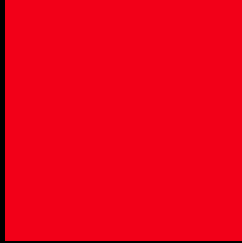
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9432, 0.6308, 0.3249 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 18.9432, 0.6308, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 18.9432, 0.6308, 0.3249.



This preview shows how white text looks on a background with the Yxy color 18.9432, 0.6308, 0.3249.

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

18.9432, 0.6308, 0.3249

Protanopia

19.3428, 0.4166, 0.4582

Deuteranopia

19.3608, 0.4700, 0.4650



Tritanopia

19.0991, 0.6344, 0.3345

Trichromacy



Original Color

18.9432, 0.6308, 0.3249



Protanomaly

14.6963, 0.5327, 0.3775



Deuteranomaly

15.3564, 0.5669, 0.3827



Tritanomaly

19.0346, 0.6342, 0.3309

Monochromacy



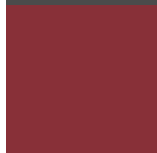
Original Color

18.9432, 0.6308, 0.3249



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

7.6337, 0.4939, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9432, 0.6308, 0.3249 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, 24)` looks like.

```
.text, #text, p{  
  color:rgb(242, 0, 24)  
}
```

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, 24) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 18.9432, 0.6308, 0.3249 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, 24) }
```

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

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

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, 24)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 18.9432, 0.6308, 0.3249 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, 24) }
```

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

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

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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