

Converting Colors

$Yxy(19.0229, 0.6260, 0.3222)$

Have a look what the booklet for
Yxy(19.0229, 0.6260, 0.3222)
contains.

Yxy(18.9815, 0.6256, 0.3220)	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(18.9815, 0.6256, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	F20020
RGB	242, 0, 32
RGB Percent	95%, 0%, 13%
CMY	0.0510, 0.9997, 0.8744
CMYK	0.00, 1.00, 0.87, 0.05
HSL	352°, 100%, 47%
HSV	352°, 100%, 95%
XYZ	36.8783, 18.9815, 3.0889
YIQ	76.0060, 133.9600, 61.2560

Conversions

Conversions Part 2

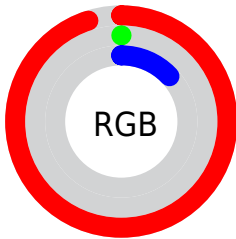
Format	Color
RYB	242, 0, 32
Decimal	15859744
CIELab	50.67, 77.33, 53.94
CIElCh	51, 94.286, 34.898
Yxy	18.9815, 0.6256, 0.3220
Android (android.graphics.Color)	4294049824 (0xFFFF20020)
YUV	76.0060, -21.6950, 145.5767
Hunter-Lab	43.5678, 74.8494, 26.2938

Details

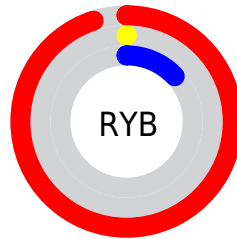
The Yxy color **18.9815, 0.6256, 0.3220** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **68.1577, 0.2366, 0.3716**, and the grayscale version is **7.2593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8299, 0.5351, 0.3422**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9808, 0.6256, 0.3220**, and if you desaturate by 10%, it is **19.7986, 0.6005, 0.3163**.

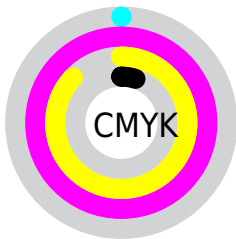
Distribution



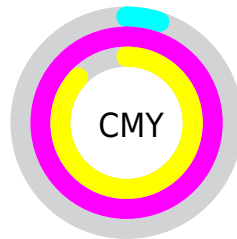
- Red (95%)
- Green (0%)
- Blue (13%)



- Red (95%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9815, 0.6256, 0.3220 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 18.9815, 0.6256, 0.3220 by changing the saturation by 10% instead.


 18.9815, 0.6256,
0.3220


 18.9815, 0.6256,
0.3220


246.3466, 0.4578,
0.3480


 11.6569, 0.6640,
0.3061


 41.7028, 0.5655,
0.3384


 6.5105, 0.7161,
0.2839


 57.8684, 0.5423,
0.3424


 3.1579, 0.7584,
0.2416

 77.7497, 0.5226,
0.3449

 1.2147, 0.8165,
0.1835

 101.7312, 0.5057,
0.3464

 0.0737, 0.9716,
0.0284

 130.1972, 0.4912,
0.3473


 0.0000, 1.0000,
0.0000


 163.5322, 0.4786,


 0.0000, 0.0000,


0.3478


0.0000

 202.1205, 0.4676,
0.3480


 18.9815, 0.6256,
0.3220

 18.9815, 0.6256,
0.3220


 18.9808, 0.6256,
0.3220

 19.7986, 0.6005,
0.3163

 21.5244, 0.5639,
0.3118

 24.4259, 0.5205,
0.3097

 28.6646, 0.4763,
0.3101

 34.3766, 0.4356,
0.3121

■ 41.6811, 0.4004,
0.3151

■ 50.6854, 0.3711,
0.3186

■ 61.4870, 0.3473,
0.3222

■ 74.1764, 0.3281,
0.3257

Harmonies

Analogous

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



18.9815, 0.5421, 0.2441



18.9815, 0.6256, 0.3220



18.9815, 0.5825, 0.4145

Triad

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



18.9815, 0.6256, 0.3220



18.9815, 0.2022, 0.6128



18.9815, 0.1205, 0.1167

Complementary

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



18.9815, 0.6256, 0.3220



68.1577, 0.2366, 0.3716

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.



18.9815, 0.0823, 0.1357



18.9815, 0.6256, 0.3220



18.9815, 0.1105, 0.3811

Square

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



18.9815, 0.6256, 0.3220



18.9815, 0.3294, 0.6467



18.9815, 0.0769, 0.2073



18.9815, 0.2071, 0.1301

Rectangle

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



18.9815, 0.6256, 0.3220



18.9815, 0.5089, 0.4911



18.9815, 0.0769, 0.2073



18.9815, 0.1035, 0.1190

Sweetspot

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



18.9827, 0.6256, 0.3220



56.9572, 0.3714, 0.3186



20.0758, 0.2869, 0.1354



11.2240, 0.3831, 0.3171



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.



18.9827, 0.6256, 0.3220



21.3737, 0.6261, 0.3223



25.9849, 0.5817, 0.3763



15.7928, 0.3272, 0.3259



10.2080, 0.6229, 0.3205



0.8599, 0.5932, 0.3041

Inverse Universe

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



18.9827, 0.6256, 0.3220



21.3737, 0.6261, 0.3223



29.2892, 0.1895, 0.2020



15.7928, 0.3272, 0.3259



10.2080, 0.6229, 0.3205



0.8599, 0.5932, 0.3041

Previews

White Background



This preview shows how the Yxy color 18.9815, 0.6256, 0.3220 looks on a white background.

Color Contrast Check

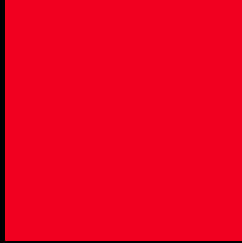
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9815, 0.6256, 0.3220 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 18.9815, 0.6256, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 18.9815, 0.6256, 0.3220.



This preview shows how white text looks on a background with the Yxy color 18.9815, 0.6256, 0.3220.

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

18.9815, 0.6256, 0.3220

Protanopia

19.4196, 0.4087, 0.4464

Deuteranopia

19.3608, 0.4700, 0.4650



Tritanopia

19.2746, 0.6344, 0.3345

Trichromacy



Original Color

18.9815, 0.6256, 0.3220



Protanomaly

14.7600, 0.5226, 0.3691



Deuteranomaly

15.3632, 0.5657, 0.3818



Tritanomaly

19.0414, 0.6332, 0.3304

Monochromacy



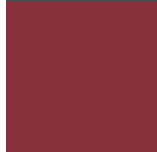
Original Color

18.9815, 0.6256, 0.3220



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.6744, 0.4845, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9815, 0.6256, 0.3220 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 32) }
```

Border

The CSS property to change the border of an element to Yxy 18.9815, 0.6256, 0.3220 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, 32) }
```

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

```
.border{ border-color:rgb(242, 0, 32) }
```

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, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 32)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9815, 0.6256, 0.3220 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, 32) }
```

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

```
.background{ background-color: rgb(242, 0,  
32) }
```

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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