

Converting Colors

$Y_{xy}(19.4284, 0.6235, 0.3242)$

Have a look what the booklet for
Yxy(19.4284, 0.6235, 0.3242)
contains.

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Color

Yxy(19.4219, 0.6234, 0.3241)

Conversions

Conversions Part 1	
Format	Color
Hex	F30C20
RGB	243, 12, 32
RGB Percent	95%, 5%, 13%
CMY	0.0470, 0.9531, 0.8745
CMYK	0.00, 0.95, 0.87, 0.05
HSL	355°, 91%, 50%
HSV	355°, 95%, 95%
XYZ	37.3576, 19.4219, 3.1461
YIQ	83.3490, 131.2560, 55.1920

Conversions

Conversions Part 2

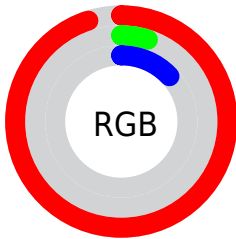
Format	Color
RYB	243, 12, 32
Decimal	15928352
CIELab	51.18, 76.70, 54.45
CIELCh	51, 94.061, 35.372
Yxy	19.4219, 0.6234, 0.3241
Android (android.graphics.Color)	4294118432 (0xFFFF30C20)
YUV	83.3490, -25.3151, 140.0139
Hunter-Lab	44.0703, 74.1885, 26.6166

Details

The Yxy color **19.4219, 0.6234, 0.3241** 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 **69.5128, 0.2324, 0.3549**, and the grayscale version is **8.7532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3886, 0.5317, 0.3440**, and **9.3471, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.1113, 0.6325, 0.3258**, and if you desaturate by 10%, it is **20.6027, 0.5948, 0.3202**.

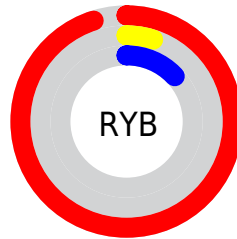
Distribution



Red (95%)

Green (5%)

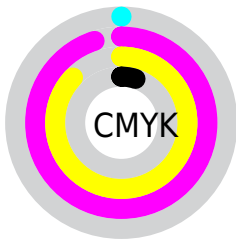
Blue (13%)



Red (95%)

Yellow (5%)

Blue (13%)

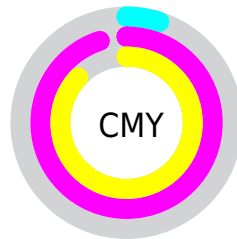


Cyan (0%)

Magenta (95%)

Yellow (87%)

Black (5%)



Cyan (5%)


Magenta (95%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4219, 0.6234, 0.3241 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 19.4219, 0.6234, 0.3241 by changing the saturation by 10% instead.


 19.4219, 0.6234,
0.3241

 19.4219, 0.6234,
0.3241


248.7681, 0.4574,
0.3488


 11.9755, 0.6612,
0.3086


 42.4458, 0.5641,
0.3399

 6.7270, 0.7129,
0.2871


 58.7921, 0.5411,
0.3438


 3.2920, 0.7545,
0.2455


 78.8739, 0.5216,
0.3462

 1.2860, 0.8116,
0.1884

 103.0755, 0.5049,
0.3476

 0.1303, 0.9523,
0.0477

 131.7813, 0.4905,
0.3484

 0.0000, 1.0000,
0.0000

 165.3758, 0.4780,

 0.0000, 0.0000,


0.3488

0.0000


 204.2432, 0.4670,
0.3489


 19.4219, 0.6234,
0.3241


 19.4219, 0.6234,
0.3241


 19.1113, 0.6325,
0.3258

 20.6027, 0.5948,
0.3202

 22.8751, 0.5544,
0.3176

 26.4255, 0.5087,
0.3168

 31.4046, 0.4638,
0.3174

 37.9424, 0.4235,
0.3190

 46.1542, 0.3893,
0.3211

 56.1445, 0.3613,
0.3234

 68.0091, 0.3386,
0.3257

 81.8370, 0.3205,
0.3279

Harmonies

Analogous

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



19.4219, 0.5424, 0.2462



19.4219, 0.6234, 0.3241



19.4219, 0.5794, 0.4165

Triad

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



19.4219, 0.6234, 0.3241



19.4219, 0.2018, 0.6068



19.4219, 0.1226, 0.1179

Complementary

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



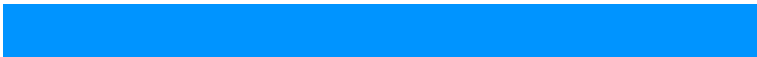
19.4219, 0.6234, 0.3241



69.5128, 0.2324, 0.3549

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.



19.4219, 0.0838, 0.1364



19.4219, 0.6234, 0.3241



19.4219, 0.1110, 0.3772

Square

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



19.4219, 0.6234, 0.3241



19.4219, 0.3282, 0.6450



19.4219, 0.0781, 0.2067



19.4219, 0.2099, 0.1317

Rectangle

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



19.4219, 0.6234, 0.3241



19.4219, 0.5067, 0.4933



19.4219, 0.0781, 0.2067



19.4219, 0.1054, 0.1201

Sweetspot

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



19.4231, 0.6234, 0.3241



57.9358, 0.3718, 0.3225



21.9350, 0.2967, 0.1421



11.4019, 0.3840, 0.3215



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.



19.4231, 0.6234, 0.3241



21.3184, 0.6328, 0.3260



29.0610, 0.5616, 0.3884



16.5058, 0.3280, 0.3270



10.4957, 0.6305, 0.3247



0.9303, 0.6094, 0.3131

Inverse Universe

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



19.4231, 0.6234, 0.3241



21.3184, 0.6328, 0.3260



28.5518, 0.1888, 0.1972



16.5058, 0.3280, 0.3270



10.4957, 0.6305, 0.3247



0.9303, 0.6094, 0.3131

Previews

White Background



This preview shows how the Yxy color 19.4219, 0.6234, 0.3241 looks on a white background.

Color Contrast Check

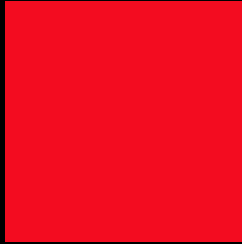
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4219, 0.6234, 0.3241 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 19.4219, 0.6234, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 19.4219, 0.6234, 0.3241.



This preview shows how white text looks on a background with the Yxy color 19.4219, 0.6234, 0.3241.

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

19.4219, 0.6234, 0.3241

Protanopia

19.7506, 0.4090, 0.4472

Deuteranopia

19.6911, 0.4697, 0.4653



Tritanopia

19.4511, 0.6345, 0.3344

Trichromacy



Original Color

19.4219, 0.6234, 0.3241



Protanomaly

15.6139, 0.5170, 0.3756



Deuteranomaly

16.1833, 0.5590, 0.3873



Tritanomaly

19.3364, 0.6322, 0.3313

Monochromacy



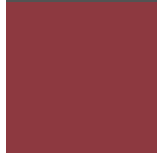
Original Color

19.4219, 0.6234, 0.3241



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.9591, 0.4741, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4219, 0.6234, 0.3241 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(243, 12, 32) looks like.

```
.text, #text, p{  
    color:rgb(243, 12, 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(243, 12, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 12, 32) }
```

Border

The CSS property to change the border of an element to Yxy 19.4219, 0.6234, 0.3241 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(243, 12, 32) }
```

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

```
.border{ border-color:rgb(243, 12, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 12, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 12, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 12, 32);  
box-shadow:4px 4px 4px 4px rgb(243, 12,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4219, 0.6234, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 12, 32) }
```

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

```
.background{ background-color: rgb(243, 12,  
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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