

Converting Colors

$Yxy(18.9825, 0.6247, 0.3259)$

Have a look what the booklet for
Yxy(18.9825, 0.6247, 0.3259)
contains.

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Color

Yxy(18.9556, 0.6243, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	F00F1D
RGB	240, 15, 29
RGB Percent	94%, 6%, 11%
CMY	0.0589, 0.9405, 0.8865
CMYK	0.00, 0.94, 0.88, 0.06
HSL	356°, 88%, 50%
HSV	356°, 94%, 94%
XYZ	36.3228, 18.9556, 2.9033
YIQ	83.8710, 129.6060, 52.0540

Conversions

Conversions Part 2

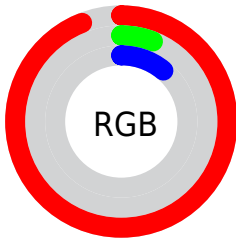
Format	Color
RYB	240, 15, 29
Decimal	15732509
CIELab	50.64, 75.62, 55.14
CIELCh	51, 93.588, 36.097
Yxy	18.9556, 0.6243, 0.3258
Android (android.graphics.Color)	4293922589 (0xFFFF00F1D)
YUV	83.8710, -27.0514, 136.9251
Hunter-Lab	43.5380, 72.7272, 26.5230

Details

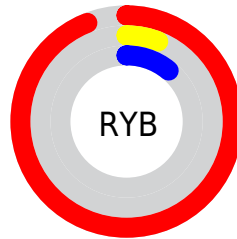
The Yxy color **18.9556, 0.6243, 0.3258** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **67.9143, 0.2303, 0.3468**, and the grayscale version is **8.8928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3452, 0.5348, 0.3464**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.5557, 0.6352, 0.3273**, and if you desaturate by 10%, it is **20.2270, 0.5951, 0.3230**.

Distribution



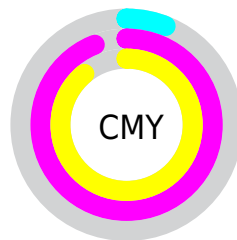
- Red (94%)
- Green (6%)
- Blue (11%)



- Red (94%)
- Yellow (6%)
- Blue (11%)



- Cyan (0%)
- Magenta (94%)
- Yellow (88%)
- Black (6%)





- Cyan (6%)
- Magenta (94%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9556, 0.6243, 0.3258 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 18.9556, 0.6243, 0.3258 by changing the saturation by 10% instead.


 18.9556, 0.6243,
0.3258


 18.9556, 0.6243,
0.3258


246.2035, 0.4577,
0.3502


 11.6382, 0.6621,
0.3100


 41.6591, 0.5648,
0.3418


 6.4978, 0.7124,
0.2876


 57.8139, 0.5418,
0.3456


 3.1501, 0.7546,
0.2454

 77.6834, 0.5222,
0.3479

 1.2106, 0.8126,
0.1874

 101.6518, 0.5054,
0.3492

 0.0703, 0.9719,
0.0281

 130.1037, 0.4909,
0.3500


 0.0000, 1.0000,
0.0000


 163.4233, 0.4783,

 0.0000, 0.0000,


0.3503


0.0000


 201.9951, 0.4673,
0.3503


 18.9556, 0.6243,
0.3258

 18.9556, 0.6243,
0.3258


 18.5557, 0.6352,
0.3273


 20.2270, 0.5951,
0.3230


 22.5893, 0.5539,
0.3212


 26.2184, 0.5073,
0.3206


 31.2584, 0.4618,
0.3211

 37.8337, 0.4213,
0.3222

 46.0553, 0.3870,
0.3237

 56.0237, 0.3590,
0.3253

 67.8317, 0.3365,
0.3269

 81.5651, 0.3184,
0.3285

Harmonies

Analogous

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



18.9556, 0.5466, 0.2478



18.9556, 0.6243, 0.3258



18.9556, 0.5781, 0.4192

Triad

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



18.9556, 0.6243, 0.3258



18.9556, 0.1986, 0.6037



18.9556, 0.1237, 0.1175

Complementary

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



18.9556, 0.6243, 0.3258



67.9143, 0.2303, 0.3468

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.



18.9556, 0.0839, 0.1351



18.9556, 0.6243, 0.3258



18.9556, 0.1091, 0.3717

Square

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



18.9556, 0.6243, 0.3258



18.9556, 0.3247, 0.6474



18.9556, 0.0774, 0.2037



18.9556, 0.2125, 0.1320

Rectangle

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



18.9556, 0.6243, 0.3258



18.9556, 0.5038, 0.4962



18.9556, 0.0774, 0.2037



18.9556, 0.1061, 0.1194

Sweetspot

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



18.9568, 0.6243, 0.3258



59.0049, 0.3706, 0.3246



22.6431, 0.3050, 0.1471



11.5995, 0.3831, 0.3239



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.



18.9568, 0.6243, 0.3258



21.2963, 0.6355, 0.3275



30.2749, 0.5492, 0.3971



15.7745, 0.3284, 0.3276



10.1658, 0.6336, 0.3264



0.8512, 0.6171, 0.3173

Inverse Universe

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



18.9568, 0.6243, 0.3258



21.2963, 0.6355, 0.3275



25.9064, 0.1866, 0.1882



15.7745, 0.3284, 0.3276



10.1658, 0.6336, 0.3264



0.8512, 0.6171, 0.3173

Previews

White Background



This preview shows how the Yxy color 18.9556, 0.6243, 0.3258 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 18.9556, 0.6243, 0.3258 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 18.9556, 0.6243, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 18.9556, 0.6243, 0.3258.



This preview shows how white text looks on a background with the Yxy color 18.9556, 0.6243, 0.3258.

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

18.9556, 0.6243, 0.3258

Protanopia

19.3003, 0.4110, 0.4526

Deuteranopia

19.1315, 0.4716, 0.4637



Tritanopia

18.8871, 0.6347, 0.3342

Trichromacy



Original Color

18.9556, 0.6243, 0.3258

Protanomaly

15.2379, 0.5183, 0.3807

Deuteranomaly

15.9304, 0.5579, 0.3887

Tritanomaly

18.8406, 0.6320, 0.3317

Monochromacy



Original Color

18.9556, 0.6243, 0.3258

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.1608, 0.4721, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9556, 0.6243, 0.3258 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(240, 15, 29)` looks like.

```
.text, #text, p{  
    color:rgb(240, 15, 29)  
}
```

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(240, 15, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 15, 29) }
```

Border

The CSS property to change the border of an element to Yxy 18.9556, 0.6243, 0.3258 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(240, 15, 29) }
```

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

```
.border{ border-color:rgb(240, 15, 29) }
```

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

Here you see how a box with a 4 pixel rgb(240, 15, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 15, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 15, 29);  
box-shadow:4px 4px 4px 4px rgb(240, 15,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9556, 0.6243, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 15, 29) }
```

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

```
.background{ background-color: rgb(240, 15,  
29) }
```

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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