

Converting Colors

$Yxy(19.0378, 0.6244, 0.3213)$

Have a look what the booklet for
Yxy(19.0378, 0.6244, 0.3213)
contains.

| | |
|------------------------------------------------|----|
| Yxy(18.9927, 0.6241, 0.3212) | 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(18.9927, 0.6241, 0.3212)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F20022 |
| RGB | 242, 0, 34 |
| RGB Percent | 95%, 0%, 13% |
| CMY | 0.0510, 0.9993, 0.8667 |
| CMYK | 0.00, 1.00, 0.86, 0.05 |
| HSL | 352°, 100%, 47% |
| HSV | 352°, 100%, 95% |
| XYZ | 36.9033, 18.9927, 3.2344 |
| YIQ | 76.2340, 133.3180, 61.8780 |

Conversions

Conversions Part 2

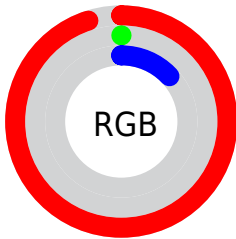
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 242, 0, 34 |
| Decimal | 15859746 |
| CIELab | 50.68, 77.36, 53.02 |
| CIELCh | 51, 93.784, 34.428 |
| Yxy | 18.9927, 0.6241, 0.3212 |
| Android (android.graphics.Color) | 4294049826 (0xFFFF20022) |
| YUV | 76.2340, -20.8214, 145.3768 |
| Hunter-Lab | 43.5806, 74.8846, 26.1061 |

Details

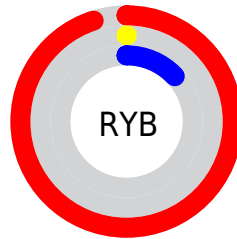
The Yxy color **18.9927, 0.6241, 0.3212** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **68.0585, 0.2373, 0.3743**, and the grayscale version is **7.3114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8595, 0.5330, 0.3406**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9894, 0.6242, 0.3212**, and if you desaturate by 10%, it is **19.8173, 0.5985, 0.3151**.

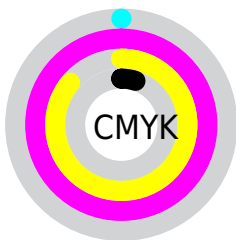
Distribution



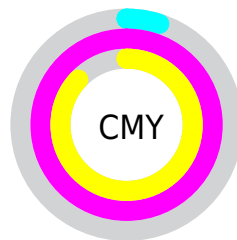
- Red (95%)
- Green (0%)
- Blue (13%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9927, 0.6241, 0.3212 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 18.9927, 0.6241, 0.3212 by changing the saturation by 10% instead.


 18.9927, 0.6241,
0.3212

 18.9927, 0.6241,
0.3212


246.4085, 0.4567,
0.3471


 11.6650, 0.6627,
0.3055


 41.7218, 0.5639,
0.3374

 6.5160, 0.7161,
0.2839


 57.8919, 0.5408,
0.3414


 3.1613, 0.7584,
0.2416


 77.7784, 0.5211,
0.3439

 1.2165, 0.8165,
0.1835

 101.7655, 0.5043,
0.3454

 0.0751, 0.9711,
0.0289

 130.2376, 0.4899,
0.3464


 0.0000, 1.0000,
0.0000

 163.5792, 0.4773,

 0.0000, 0.0000,


0.3469

0.0000


 202.1747, 0.4664,
0.3471


 18.9927, 0.6241,
0.3212


 18.9927, 0.6241,
0.3212

 18.9894, 0.6242,
0.3212

 19.8173, 0.5985,
0.3151

 21.5519, 0.5616,
0.3105

 24.4616, 0.5184,
0.3085

 28.7076, 0.4746,
0.3089

 34.4257, 0.4343,
0.3111

■ 41.7348, 0.3995,
0.3143

■ 50.7418, 0.3705,
0.3180

■ 61.5442, 0.3469,
0.3219

■ 74.2321, 0.3279,
0.3256

Harmonies

Analogous

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



18.9927, 0.5386, 0.2434



18.9927, 0.6241, 0.3212



18.9927, 0.5828, 0.4130

Triad

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



18.9927, 0.6241, 0.3212



18.9927, 0.2049, 0.6135



18.9927, 0.1203, 0.1174

Complementary

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



18.9927, 0.6241, 0.3212



68.0585, 0.2373, 0.3743

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.



18.9927, 0.0826, 0.1370



18.9927, 0.6241, 0.3212



18.9927, 0.1123, 0.3847

Square

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



18.9927, 0.6241, 0.3212



18.9927, 0.3321, 0.6442



18.9927, 0.0778, 0.2097



18.9927, 0.2057, 0.1303

Rectangle

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



18.9927, 0.6241, 0.3212



18.9927, 0.5107, 0.4893



18.9927, 0.0778, 0.2097



18.9927, 0.1035, 0.1199

Sweetspot

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



18.9939, 0.6241, 0.3212



56.9831, 0.3709, 0.3180



19.4944, 0.2827, 0.1331



11.2299, 0.3825, 0.3164



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.



18.9939, 0.6241, 0.3212



21.3854, 0.6247, 0.3215



25.3414, 0.5861, 0.3728



15.7949, 0.3271, 0.3257



10.2142, 0.6214, 0.3197



0.8608, 0.5907, 0.3028

Inverse Universe

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



18.9939, 0.6241, 0.3212



21.3854, 0.6247, 0.3215



30.6435, 0.1912, 0.2082



15.7949, 0.3271, 0.3257



10.2142, 0.6214, 0.3197



0.8608, 0.5907, 0.3028

Previews

White Background



This preview shows how the Yxy color 18.9927, 0.6241, 0.3212 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 18.9927, 0.6241, 0.3212 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 18.9927, 0.6241, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 18.9927, 0.6241, 0.3212.



This preview shows how white text looks on a background with the Yxy color 18.9927, 0.6241, 0.3212.

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

18.9927, 0.6241, 0.3212

Protanopia

19.4487, 0.4059, 0.4422

Deuteranopia

19.4593, 0.4713, 0.4640



Tritanopia

19.2746, 0.6344, 0.3345

Trichromacy



Original Color

18.9927, 0.6241, 0.3212



Protanomaly

14.7845, 0.5188, 0.3660



Deuteranomaly

15.4889, 0.5664, 0.3813



Tritanomaly

19.0414, 0.6332, 0.3304

Monochromacy



Original Color

18.9927, 0.6241, 0.3212



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.6851, 0.4821, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9927, 0.6241, 0.3212 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, 34)` looks like.

```
.text, #text, p{  
  color:rgb(242, 0, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 34) }
```

Border

The CSS property to change the border of an element to Yxy 18.9927, 0.6241, 0.3212 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, 34) }
```

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

```
.border{ border-color:rgb(242, 0, 34) }
```

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, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9927, 0.6241, 0.3212 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, 34) }
```

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

```
.background{ background-color: rgb(242, 0,  
34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor