

Converting Colors

$Yxy(19.0087, 0.6280, 0.3233)$

Have a look what the booklet for
Yxy(19.0087, 0.6280, 0.3233)
contains.

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Color

Yxy(18.9660, 0.6277, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	F2001D
RGB	242, 0, 29
RGB Percent	95%, 0%, 11%
CMY	0.0511, 0.9991, 0.8863
CMYK	0.00, 1.00, 0.88, 0.05
HSL	353°, 100%, 47%
HSV	353°, 100%, 95%
XYZ	36.8346, 18.9660, 2.8813
YIQ	75.6640, 134.9230, 60.3230

Conversions

Conversions Part 2

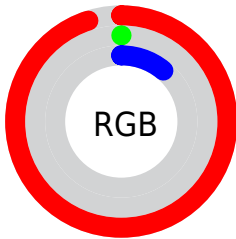
Format	Color
R_{YB}	242, 0, 29
Decimal	15859741
CIE Lab	50.65, 77.26, 55.31
CIE LCh	51, 95.021, 35.597
Yxy	18.9660, 0.6277, 0.3232
Android (android.graphics.Color)	4294049821 (0xFFFF2001D)
YUV	75.6640, -23.0054, 145.8767
Hunter-Lab	43.5500, 74.7632, 26.5623

Details

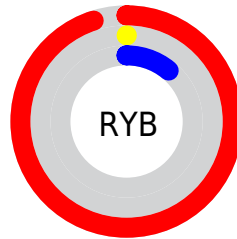
The Yxy color **18.9660, 0.6277, 0.3232** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **68.3085, 0.2353, 0.3671**, and the grayscale version is **7.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8012, 0.5373, 0.3437**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9613, 0.6279, 0.3232**, and if you desaturate by 10%, it is **19.7775, 0.6034, 0.3180**.

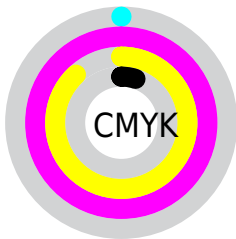
Distribution



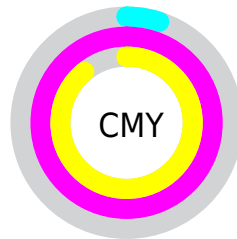
- Red (95%)
- Green (0%)
- Blue (11%)



- Red (95%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9660, 0.6277, 0.3232 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 18.9660, 0.6277, 0.3232 by changing the saturation by 10% instead.


 18.9660, 0.6277,
0.3232


 18.9660, 0.6277,
0.3232


246.2610, 0.4595,
0.3493


 11.6457, 0.6657,
0.3070


 41.6766, 0.5678,
0.3398

 6.5029, 0.7160,
0.2840


 57.8358, 0.5445,
0.3439


 3.1532, 0.7584,
0.2416

 77.7100, 0.5247,
0.3464

 1.2122, 0.8165,
0.1835

 101.6837, 0.5077,
0.3479

 0.0717, 0.9723,
0.0277

 130.1412, 0.4931,
0.3488

 0.0000, 1.0000,
0.0000


 163.4670, 0.4804,


 0.0000, 0.0000,


0.3492


0.0000


 202.0455, 0.4693,
0.3493


 18.9660, 0.6277,
0.3232

 18.9660, 0.6277,
0.3232


 18.9613, 0.6279,
0.3232

 19.7775, 0.6034,
0.3180

 21.5019, 0.5670,
0.3138

 24.4047, 0.5233,
0.3119

 28.6476, 0.4786,
0.3121

 34.3670, 0.4373,
0.3138

■ 41.6826, 0.4016,
0.3166

■ 50.7016, 0.3719,
0.3197

■ 61.5219, 0.3477,
0.3229

■ 74.2342, 0.3282,
0.3261

Harmonies

Analogous

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



18.9660, 0.5473, 0.2452



18.9660, 0.6277, 0.3232



18.9660, 0.5819, 0.4169

Triad

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



18.9660, 0.6277, 0.3232



18.9660, 0.1984, 0.6116



18.9660, 0.1210, 0.1157

Complementary

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



18.9660, 0.6277, 0.3232



68.3085, 0.2353, 0.3671

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.



18.9660, 0.0818, 0.1337



18.9660, 0.6277, 0.3232



18.9660, 0.1078, 0.3758

Square

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



18.9660, 0.6277, 0.3232



18.9660, 0.3255, 0.6504



18.9660, 0.0756, 0.2036



18.9660, 0.2092, 0.1298

Rectangle

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



18.9660, 0.6277, 0.3232



18.9660, 0.5061, 0.4939



18.9660, 0.0756, 0.2036



18.9660, 0.1036, 0.1177

Sweetspot

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



18.9672, 0.6277, 0.3232



56.9138, 0.3723, 0.3196



20.0789, 0.2869, 0.1355



11.2141, 0.3842, 0.3183



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.



18.9672, 0.6277, 0.3232



21.3555, 0.6283, 0.3235



25.9972, 0.5816, 0.3763



15.7894, 0.3275, 0.3262



10.1983, 0.6253, 0.3218



0.8583, 0.5974, 0.3065

Inverse Universe

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



18.9672, 0.6277, 0.3232



21.3555, 0.6283, 0.3235



29.3040, 0.1895, 0.2021



15.7894, 0.3275, 0.3262



10.1983, 0.6253, 0.3218



0.8583, 0.5974, 0.3065

Previews

White Background



This preview shows how the Yxy color 18.9660, 0.6277, 0.3232 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 18.9660, 0.6277, 0.3232 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 18.9660, 0.6277, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 18.9660, 0.6277, 0.3232.



This preview shows how white text looks on a background with the Yxy color 18.9660, 0.6277, 0.3232.

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

18.9660, 0.6277, 0.3232

Protanopia

19.3923, 0.4114, 0.4505

Deuteranopia

19.3608, 0.4700, 0.4650



Tritanopia

19.2746, 0.6344, 0.3345

Trichromacy



Original Color

18.9660, 0.6277, 0.3232

Protanomaly

14.7372, 0.5261, 0.3721

Deuteranomaly

15.3608, 0.5661, 0.3821

Tritanomaly

19.0390, 0.6336, 0.3305

Monochromacy



Original Color

18.9660, 0.6277, 0.3232

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.6639, 0.4868, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9660, 0.6277, 0.3232 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 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(242, 0, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 29) }
```

Border

The CSS property to change the border of an element to Yxy 18.9660, 0.6277, 0.3232 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, 29) }
```

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

```
.border{ border-color:rgb(242, 0, 29) }
```

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, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9660, 0.6277, 0.3232 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, 29) }
```

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

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