

Converting Colors

$Yxy(18.9718, 0.6330, 0.3261)$

Have a look what the booklet for
Yxy(18.9718, 0.6330, 0.3261)
contains.

Yxy(18.9278, 0.6330, 0.3261)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(18.9278, 0.6330, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	F20014
RGB	242, 0, 20
RGB Percent	95%, 0%, 8%
CMY	0.0510, 0.9994, 0.9220
CMYK	0.00, 1.00, 0.92, 0.05
HSL	355°, 100%, 47%
HSV	355°, 100%, 95%
XYZ	36.7412, 18.9278, 2.3740
YIQ	74.6380, 137.8120, 57.5240

Conversions

Conversions Part 2

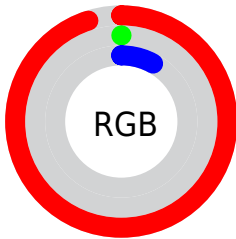
Format	Color
R_{YB}	242, 0, 20
Decimal	15859732
CIE _{Lab}	50.60, 77.15, 58.96
CIE _{LCh}	51, 97.099, 37.388
Yxy	18.9278, 0.6330, 0.3261
Android (android.graphics.Color)	4294049812 (0xFFFF20014)
YUV	74.6380, -26.9365, 146.7765
Hunter-Lab	43.5061, 74.6087, 27.2190

Details

The Yxy color **18.9278, 0.6330, 0.3261** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **68.7866, 0.2319, 0.3547**, and the grayscale version is **7.0129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6951, 0.5453, 0.3496**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9251, 0.6331, 0.3261**, and if you desaturate by 10%, it is **19.7115, 0.6114, 0.3225**.

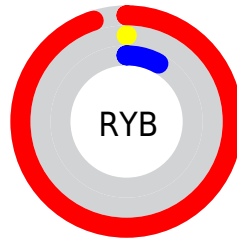
Distribution



Red (95%)

Green (0%)

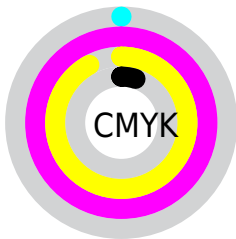
Blue (8%)



Red (95%)

Yellow (0%)

Blue (8%)

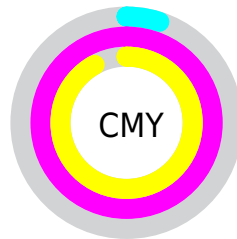


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (5%)



Cyan (5%)

Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9278, 0.6330, 0.3261 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 18.9278, 0.6330, 0.3261 by changing the saturation by 10% instead.


 18.9278, 0.6330,
0.3261


 18.9278, 0.6330,
0.3261


246.0499, 0.4639,
0.3527


 11.6181, 0.6702,
0.3092


 41.6121, 0.5736,
0.3435

 6.4842, 0.7159,
0.2841


 57.7554, 0.5503,
0.3477

 3.1417, 0.7583,
0.2417

 77.6122, 0.5303,
0.3502

 1.2061, 0.8165,
0.1835

 101.5666, 0.5131,
0.3517

 0.0667, 0.9740,
0.0260

 130.0032, 0.4982,
0.3525


 0.0000, 1.0000,
0.0000


 163.3064, 0.4853,

 0.0000, 0.0000,


0.3529


0.0000


 201.8605, 0.4739,
0.3529


 18.9278, 0.6330,
0.3261


 18.9278, 0.6330,
0.3261

 18.9251, 0.6331,
0.3261

 19.7115, 0.6114,
0.3225

 21.4092, 0.5762,
0.3194

 24.2894, 0.5322,
0.3178

 28.5158, 0.4861,
0.3177

 34.2263, 0.4430,
0.3188

■ 41.5415, 0.4056,
0.3206

■ 50.5698, 0.3745,
0.3227

■ 61.4101, 0.3492,
0.3249

■ 74.1538, 0.3289,
0.3270

Harmonies

Analogous

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



18.9278, 0.5611, 0.2479



18.9278, 0.6330, 0.3261



18.9278, 0.5783, 0.4217

Triad

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



18.9278, 0.6330, 0.3261



18.9278, 0.1881, 0.6083



18.9278, 0.1221, 0.1130

Complementary

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



18.9278, 0.6330, 0.3261



68.7866, 0.2319, 0.3547

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.



18.9278, 0.0805, 0.1287



18.9278, 0.6330, 0.3261



18.9278, 0.1010, 0.3619

Square

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



18.9278, 0.6330, 0.3261



18.9278, 0.3150, 0.6604



18.9278, 0.0722, 0.1943



18.9278, 0.2147, 0.1290

Rectangle

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



18.9278, 0.6330, 0.3261



18.9278, 0.4988, 0.5012



18.9278, 0.0722, 0.1943



18.9278, 0.1038, 0.1144

Sweetspot

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



18.9290, 0.6330, 0.3261



56.7921, 0.3749, 0.3226



21.9175, 0.2997, 0.1425



11.1863, 0.3873, 0.3217



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.



18.9290, 0.6330, 0.3261



21.3135, 0.6334, 0.3263



28.1678, 0.5676, 0.3875



15.7798, 0.3280, 0.3271



10.1755, 0.6311, 0.3250



0.8537, 0.6100, 0.3134

Inverse Universe

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



18.9290, 0.6330, 0.3261



21.3135, 0.6334, 0.3263



25.5277, 0.1845, 0.1841



15.7798, 0.3280, 0.3271



10.1755, 0.6311, 0.3250



0.8537, 0.6100, 0.3134

Previews

White Background



This preview shows how the Yxy color 18.9278, 0.6330, 0.3261 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 18.9278, 0.6330, 0.3261 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 18.9278, 0.6330, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 18.9278, 0.6330, 0.3261.



This preview shows how white text looks on a background with the Yxy color 18.9278, 0.6330, 0.3261.

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

18.9278, 0.6330, 0.3261

Protanopia

19.3975, 0.4210, 0.4620

Deuteranopia

19.3608, 0.4700, 0.4650

Trichromacy



Original Color

18.9278, 0.6330, 0.3261

Protanomaly

14.6725, 0.5367, 0.3808

Deuteranomaly

15.3520, 0.5676, 0.3833

Monochromacy



Original Color

18.9278, 0.6330, 0.3261

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.6240, 0.4962, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9278, 0.6330, 0.3261 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, 20)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 20)  
}
```

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, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 20) }
```

Border

The CSS property to change the border of an element to Yxy 18.9278, 0.6330, 0.3261 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, 20) }
```

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

```
.border{ border-color:rgb(242, 0, 20) }
```

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, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to Yxy 18.9278, 0.6330, 0.3261 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, 20) }
```

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

```
.background{ background-color: rgb(242, 0,  
20) }
```

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