

Converting Colors

$Yxy(22.0334, 0.5894, 0.3057)$

Have a look what the booklet for
Yxy(22.0334, 0.5894, 0.3057)
contains.

Yxy(22.0190, 0.5900, 0.3060)	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(22.0190, 0.5900, 0.3060)

Conversions

Conversions Part 1

Format	Color
Hex	FF0F44
RGB	255, 15, 68
RGB Percent	100%, 6%, 27%
CMY	0.0000, 0.9410, 0.7333
CMYK	0.00, 0.94, 0.73, 0.00
HSL	347°, 100%, 53%
HSV	347°, 94%, 100%
XYZ	42.4549, 22.0190, 7.4836
YIQ	92.8020, 126.0270, 67.3630

Conversions

Conversions Part 2

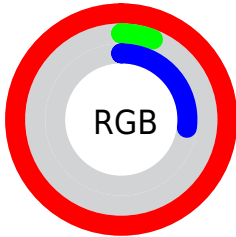
Format	Color
R_{YB}	255, 15, 68
Decimal	16715588
CIE Lab	54.05, 80.28, 38.85
CIE LCh	54, 89.185, 25.822
Yxy	22.0190, 0.5900, 0.3060
Android (android.graphics.Color)	4294905668 (0xFFFF0F44)
YUV	92.8020, -12.2274, 142.2476
Hunter-Lab	46.9244, 79.3805, 23.3914

Details

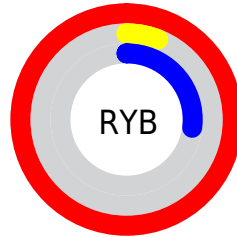
The Yxy color **22.0190, 0.5900, 0.3060** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **75.8873, 0.2446, 0.3982**, and the grayscale version is **10.9105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8283, 0.4858, 0.3153**, and **10.8890, 0.6232, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **21.5484, 0.6061, 0.3112**, and if you desaturate by 10%, it is **23.5168, 0.5560, 0.2987**.

Distribution



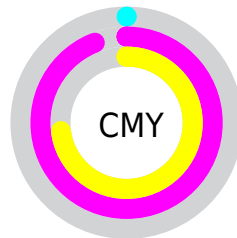
- Red (100%)
- Green (6%)
- Blue (27%)



- Red (100%)
- Yellow (6%)
- Blue (27%)



- Cyan (0%)
- Magenta (94%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0190, 0.5900, 0.3060 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 22.0190, 0.5900, 0.3060 by changing the saturation by 10% instead.


 22.0190, 0.5900,
0.3060


 22.0190, 0.5900,
0.3060


262.6455, 0.4389,
0.3319


 13.8709, 0.6281,
0.2938


 46.7774, 0.5338,
0.3195

 8.0309, 0.6752,
0.2750


 64.1564, 0.5129,
0.3233

 4.1147, 0.7411,
0.2479

 85.3813, 0.4954,
0.3261

 1.7379, 0.8016,
0.1984

 110.8362, 0.4806,
0.3280

 0.4480, 0.8871,
0.1129

 140.9057, 0.4679,
0.3294

 0.0000, 1.0000,
0.0000

175.9742, 0.4569,

 0.0000, 0.0000,

0.3305

0.0000

216.4260, 0.4473,
0.3313

■ 22.0190, 0.5900,
0.3060

■ 22.0190, 0.5900,
0.3060

■ 21.5484, 0.6061,
0.3112

■ 23.5168, 0.5560,
0.2987

■ 26.2385, 0.5162,
0.2952

■ 30.3833, 0.4754,
0.2954

■ 36.1138, 0.4372,
0.2984

■ 43.5703, 0.4037,
0.3033

■ 52.8775, 0.3755,
0.3091

■ 64.1488, 0.3523,
0.3151

■ 77.4880, 0.3334,
0.3211

■ 92.9920, 0.3181,
0.3268

Harmonies

Analogous

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



22.0190, 0.4756, 0.2306



22.0190, 0.5900, 0.3060



22.0190, 0.5860, 0.3890

Triad

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



22.0190, 0.5900, 0.3060



22.0190, 0.2519, 0.6142



22.0190, 0.1173, 0.1317

Complementary

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



22.0190, 0.5900, 0.3060



75.8873, 0.2446, 0.3982

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.



22.0190, 0.0904, 0.1638



22.0190, 0.5900, 0.3060



22.0190, 0.1479, 0.4433

Square

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



22.0190, 0.5900, 0.3060



22.0190, 0.3766, 0.5989



22.0190, 0.0967, 0.2571



22.0190, 0.1849, 0.1353

Rectangle

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



22.0190, 0.5900, 0.3060



22.0190, 0.5344, 0.4559



22.0190, 0.0967, 0.2571



22.0190, 0.1045, 0.1377

Sweetspot

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



22.0203, 0.5900, 0.3060



59.5154, 0.3608, 0.3128



19.7061, 0.2649, 0.1250



11.7176, 0.3710, 0.3101



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.



22.0203, 0.5900, 0.3060



21.5484, 0.6061, 0.3112



26.8907, 0.5936, 0.3618



18.0527, 0.3259, 0.3238



11.2776, 0.6023, 0.3092



1.1135, 0.5717, 0.2923

Inverse Universe

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



22.0203, 0.5900, 0.3060



21.5484, 0.6061, 0.3112



44.5880, 0.2018, 0.2440



18.0527, 0.3259, 0.3238



11.2776, 0.6023, 0.3092



1.1135, 0.5717, 0.2923

Previews

White Background



This preview shows how the Yxy color 22.0190, 0.5900, 0.3060 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 22.0190, 0.5900, 0.3060 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 22.0190, 0.5900, 0.3060

Background



This preview shows how black text looks on a background with the Yxy color 22.0190, 0.5900, 0.3060.



This preview shows how white text looks on a background with the Yxy color 22.0190, 0.5900, 0.3060.

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

22.0190, 0.5900, 0.3060

Protanopia

22.3938, 0.3562, 0.3802

Deuteranopia

22.2587, 0.4389, 0.4328



Tritanopia

22.1168, 0.6236, 0.3321

Trichromacy



Original Color

22.0190, 0.5900, 0.3060

Protanomaly

17.5245, 0.4558, 0.3280

Deuteranomaly

18.2585, 0.5190, 0.3581

Tritanomaly

21.9193, 0.6157, 0.3244

Monochromacy



Original Color

22.0190, 0.5900, 0.3060

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.0961, 0.4419, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0190, 0.5900, 0.3060 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(255, 15, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 68)  
}
```

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(255, 15, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 68) }
```

Border

The CSS property to change the border of an element to Yxy 22.0190, 0.5900, 0.3060 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(255, 15, 68) }
```

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

```
.border{ border-color:rgb(255, 15, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 15, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0190, 0.5900, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 68) }
```

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

```
.background{ background-color: rgb(255, 15,  
68) }
```

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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