

Converting Colors

$Y_{xy}(22.0459, 0.5901, 0.3064)$

Have a look what the booklet for
Yxy(22.0459, 0.5901, 0.3064)
contains.

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Color

Yxy(22.0479, 0.5898, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	FF1044
RGB	255, 16, 68
RGB Percent	100%, 6%, 27%
CMY	0.0000, 0.9370, 0.7333
CMYK	0.00, 0.94, 0.73, 0.00
HSL	347°, 100%, 53%
HSV	347°, 94%, 100%
XYZ	42.4685, 22.0479, 7.4885
YIQ	93.3890, 125.7520, 66.8400

Conversions

Conversions Part 2

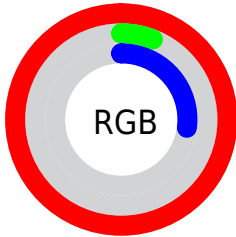
Format	Color
R_{YB}	255, 16, 68
Decimal	16715844
CIE _{Lab}	54.08, 80.19, 38.88
CIE _{LCh}	54, 89.118, 25.867
Yxy	22.0479, 0.5898, 0.3062
Android (android.graphics.Color)	4294905924 (0xFFFF1044)
YUV	93.3890, -12.5168, 141.7328
Hunter-Lab	46.9552, 79.2722, 23.4129

Details

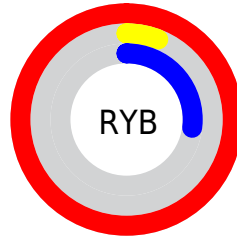
The Yxy color **22.0479, 0.5898, 0.3062** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **75.9426, 0.2443, 0.3967**, and the grayscale version is **11.0580, 0.3127, 0.3290**.

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 **21.5397, 0.6070, 0.3117**, and if you desaturate by 10%, it is **23.5882, 0.5555, 0.2991**.

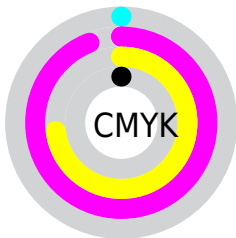
Distribution



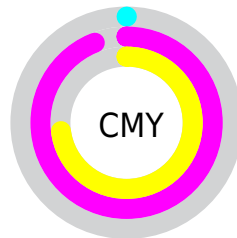
- Red (100%)
- Green (6%)
- Blue (27%)



- 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 22.0479, 0.5898, 0.3062 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 22.0479, 0.5898, 0.3062 by changing the saturation by 10% instead.


 22.0479, 0.5898,
0.3062


 22.0479, 0.5898,
0.3062

262.7963, 0.4388,
0.3320


 13.8921, 0.6279,
0.2941


 46.8252, 0.5337,
0.3197


 8.0457, 0.6750,
0.2753


 64.2154, 0.5128,
0.3235


 4.1242, 0.7407,
0.2483

 85.4526, 0.4953,
0.3262

 1.7433, 0.8012,
0.1988

 110.9211, 0.4805,
0.3281

 0.4514, 0.8865,
0.1135

 141.0053, 0.4678,
0.3296

 0.0000, 1.0000,
0.0000

176.0897, 0.4568,

 0.0000, 0.0000,

0.3306

0.0000

216.5585, 0.4472,
0.3314

■ 22.0479, 0.5898,
0.3062

■ 22.0479, 0.5898,
0.3062

■ 21.5397, 0.6070,
0.3117


■ 23.5882, 0.5555,
0.2991

■ 26.3616, 0.5155,
0.2957

■ 30.5658, 0.4745,
0.2960

■ 36.3623, 0.4364,
0.2991

■ 43.8909, 0.4029,
0.3039

 53.2757, 0.3748,
0.3096

 64.6297, 0.3516,
0.3156

 78.0567, 0.3328,
0.3215

 93.6532, 0.3176,
0.3270

Harmonies

Analogous

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



22.0479, 0.4756, 0.2308



22.0479, 0.5898, 0.3062



22.0479, 0.5858, 0.3892

Triad

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



22.0479, 0.5898, 0.3062



22.0479, 0.2518, 0.6137



22.0479, 0.1175, 0.1318

Complementary

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



22.0479, 0.5898, 0.3062



75.9426, 0.2443, 0.3967

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.



22.0479, 0.0905, 0.1639



22.0479, 0.5898, 0.3062



22.0479, 0.1479, 0.4428

Square

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



22.0479, 0.5898, 0.3062



22.0479, 0.3764, 0.5988



22.0479, 0.0968, 0.2570



22.0479, 0.1852, 0.1355

Rectangle

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



22.0479, 0.5898, 0.3062



22.0479, 0.5341, 0.4561



22.0479, 0.0968, 0.2570



22.0479, 0.1047, 0.1378

Sweetspot

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



22.0493, 0.5898, 0.3062



59.5044, 0.3610, 0.3130



19.7677, 0.2652, 0.1252



11.7150, 0.3712, 0.3104



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.



22.0493, 0.5898, 0.3062



21.5402, 0.6070, 0.3117



27.0014, 0.5926, 0.3621



18.0517, 0.3260, 0.3239



11.2730, 0.6032, 0.3097



1.1130, 0.5727, 0.2929

Inverse Universe

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



22.0493, 0.5898, 0.3062



21.5402, 0.6070, 0.3117



44.7143, 0.2020, 0.2444



18.0517, 0.3260, 0.3239



11.2730, 0.6032, 0.3097



1.1130, 0.5727, 0.2929

Previews

White Background



This preview shows how the Yxy color 22.0479, 0.5898, 0.3062 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 22.0479, 0.5898, 0.3062 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 22.0479, 0.5898, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 22.0479, 0.5898, 0.3062.



This preview shows how white text looks on a background with the Yxy color 22.0479, 0.5898, 0.3062.

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

22.0479, 0.5898, 0.3062

Protanopia

22.3938, 0.3562, 0.3802

Deuteranopia

22.2587, 0.4389, 0.4328



Tritanopia

22.1210, 0.6231, 0.3318

Trichromacy



Original Color

22.0479, 0.5898, 0.3062



Protanomaly

17.6898, 0.4550, 0.3294



Deuteranomaly

18.4149, 0.5179, 0.3593



Tritanomaly

21.9697, 0.6146, 0.3242

Monochromacy



Original Color

22.0479, 0.5898, 0.3062



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 22.0479, 0.5898, 0.3062 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, 16, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 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, 16, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 68) }
```

Border

The CSS property to change the border of an element to Yxy 22.0479, 0.5898, 0.3062 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, 16, 68) }
```

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

```
.border{ border-color:rgb(255, 16, 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, 16, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0479, 0.5898, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 68) }
```

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

```
.background{ background-color: rgb(255, 16,  
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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