

Converting Colors

$Yxy(22.0818, 0.6007, 0.3139)$

Have a look what the booklet for
Yxy(22.0818, 0.6007, 0.3139)
contains.

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Color

Yxy(22.1018, 0.6003, 0.3139)

Conversions

Conversions Part 1

Format	Color
Hex	FF153A
RGB	255, 21, 58
RGB Percent	100%, 8%, 23%
CMY	0.0001, 0.9171, 0.7726
CMYK	0.00, 0.92, 0.77, 0.00
HSL	351°, 100%, 54%
HSV	351°, 92%, 100%
XYZ	42.2673, 22.1018, 6.0412
YIQ	95.1840, 127.5870, 61.1150

Conversions

Conversions Part 2

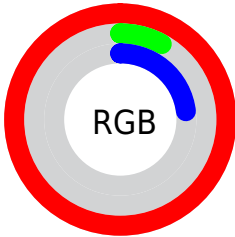
Format	Color
RYB	255, 21, 58
Decimal	16717114
CIELab	54.13, 79.34, 44.64
CIElCh	54, 91.036, 29.365
Yxy	22.1018, 0.6003, 0.3139
Android (android.graphics.Color)	4294907194 (0xFFFF153A)
YUV	95.1840, -18.3317, 140.1586
Hunter-Lab	47.0126, 78.2110, 25.2899

Details

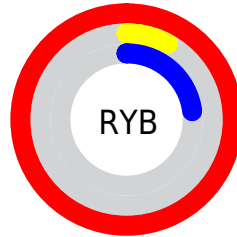
The Yxy color **22.1018, 0.6003, 0.3139** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **76.7374, 0.2388, 0.3759**, and the grayscale version is **11.5293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8033, 0.4978, 0.3258**, and **10.8533, 0.6316, 0.3253** is the 20% darker color. If you saturate the color by 10%, you get **21.4113, 0.6212, 0.3196**, and if you desaturate by 10%, it is **23.8314, 0.5650, 0.3084**.

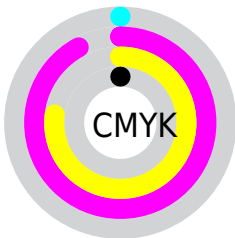
Distribution



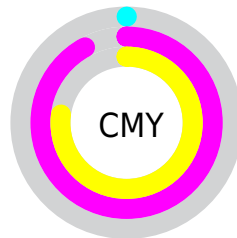
- Red (100%)
- Green (8%)
- Blue (23%)



- Red (100%)
- Yellow (8%)
- Blue (23%)



- Cyan (0%)
- Magenta (92%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (92%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1018, 0.6003, 0.3139 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 22.1018, 0.6003, 0.3139 by changing the saturation by 10% instead.


 22.1018, 0.6003,
0.3139


 22.1018, 0.6003,
0.3139


263.0774, 0.4452,
0.3380


 13.9317, 0.6381,
0.3013


 46.9142, 0.5435,
0.3274

 8.0732, 0.6838,
0.2815


 64.3253, 0.5220,
0.3311


 4.1418, 0.7468,
0.2532

 85.5855, 0.5040,
0.3335

 1.7532, 0.7989,
0.2011

 111.0793, 0.4886,
0.3352

 0.4578, 0.8839,
0.1161

 141.1910, 0.4754,
0.3363

 0.0000, 1.0000,
0.0000

 176.3049, 0.4640,

 0.0000, 0.0000,

0.3371

0.0000

216.8056, 0.4540,
0.3376

■ 22.1018, 0.6003,
0.3139

■ 22.1018, 0.6003,
0.3139

■ 21.4113, 0.6212,
0.3196


■ 23.8314, 0.5650,
0.3084

■ 26.8462, 0.5228,
0.3057

■ 31.3374, 0.4793,
0.3059

■ 37.4634, 0.4388,
0.3081

■ 45.3619, 0.4036,
0.3117

 55.1561, 0.3742,
0.3158

 66.9583, 0.3501,
0.3201

 80.8717, 0.3307,
0.3244

 96.9927, 0.3151,
0.3284

Harmonies

Analogous

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



22.1018, 0.4973, 0.2375



22.1018, 0.6003, 0.3139



22.1018, 0.5820, 0.3990

Triad

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



22.1018, 0.6003, 0.3139



22.1018, 0.2355, 0.6092



22.1018, 0.1206, 0.1281

Complementary

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



22.1018, 0.6003, 0.3139



76.7374, 0.2388, 0.3759

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.



22.1018, 0.0894, 0.1551



22.1018, 0.6003, 0.3139



22.1018, 0.1360, 0.4191

Square

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



22.1018, 0.6003, 0.3139



22.1018, 0.3604, 0.6124



22.1018, 0.0913, 0.2395



22.1018, 0.1946, 0.1355

Rectangle

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



22.1018, 0.6003, 0.3139



22.1018, 0.5248, 0.4695



22.1018, 0.0913, 0.2395



22.1018, 0.1062, 0.1327

Sweetspot

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



22.1032, 0.6003, 0.3139



59.3087, 0.3646, 0.3174



22.3598, 0.2819, 0.1351



11.6695, 0.3758, 0.3156



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.



22.1032, 0.6003, 0.3139



21.4146, 0.6212, 0.3196



30.2500, 0.5714, 0.3771



18.0338, 0.3269, 0.3253



11.2033, 0.6182, 0.3179



1.1037, 0.5907, 0.3028

Inverse Universe

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



22.1032, 0.6003, 0.3139



21.4146, 0.6212, 0.3196



38.8362, 0.1968, 0.2242



18.0338, 0.3269, 0.3253



11.2033, 0.6182, 0.3179



1.1037, 0.5907, 0.3028

Previews

White Background



This preview shows how the Yxy color 22.1018, 0.6003, 0.3139 looks on a white background.

Color Contrast Check

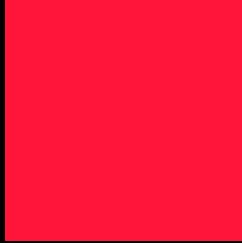
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1018, 0.6003, 0.3139 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 22.1018, 0.6003, 0.3139

Background



This preview shows how black text looks on a background with the Yxy color 22.1018, 0.6003, 0.3139.



This preview shows how white text looks on a background with the Yxy color 22.1018, 0.6003, 0.3139.

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

22.1018, 0.6003, 0.3139

Protanopia

22.3161, 0.3745, 0.4040

Deuteranopia

22.3690, 0.4509, 0.4438



Tritanopia

22.0653, 0.6241, 0.3318

Trichromacy



Original Color

22.1018, 0.6003, 0.3139

Protanomaly

17.7792, 0.4753, 0.3485

Deuteranomaly

18.7656, 0.5290, 0.3717

Tritanomaly

21.9821, 0.6180, 0.3267

Monochromacy



Original Color

22.1018, 0.6003, 0.3139

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5157, 0.4453, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1018, 0.6003, 0.3139 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, 21, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 58)  
}
```

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, 21, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 58) }
```

Border

The CSS property to change the border of an element to Yxy 22.1018, 0.6003, 0.3139 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, 21, 58) }
```

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

```
.border{ border-color:rgb(255, 21, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 21, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1018, 0.6003, 0.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 58) }
```

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

```
.background{ background-color: rgb(255, 21,  
58) }
```

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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