

Converting Colors

$Y_{xy}(21.8395, 0.6163, 0.3216)$

Have a look what the booklet for
Yxy(21.8395, 0.6163, 0.3216)
contains.

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Color

Yxy(21.8598, 0.6164, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	FF122A
RGB	255, 18, 42
RGB Percent	100%, 7%, 16%
CMY	0.0000, 0.9290, 0.8355
CMYK	0.00, 0.93, 0.84, 0.00
HSL	354°, 100%, 54%
HSV	354°, 93%, 100%
XYZ	41.8719, 21.8598, 4.1981
YIQ	91.5990, 133.5480, 57.7080

Conversions

Conversions Part 2

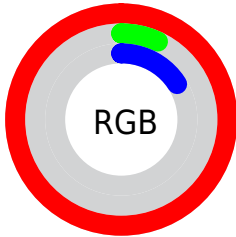
Format	Color
R_{YB}	255, 18, 42
Decimal	16716330
CIE _{Lab}	53.88, 79.25, 52.91
CIE _{LCh}	54, 95.293, 33.729
Yxy	21.8598, 0.6164, 0.3218
Android (android.graphics.Color)	4294906410 (0xFFFF122A)
YUV	91.5990, -24.4523, 143.3027
Hunter-Lab	46.7545, 78.0390, 27.4045

Details

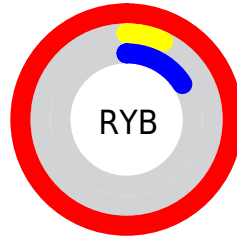
The Yxy color **21.8598, 0.6164, 0.3218** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.4226, 0.2337, 0.3587**, and the grayscale version is **10.6509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3055, 0.5175, 0.3394**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3319, 0.6310, 0.3250**, and if you desaturate by 10%, it is **23.4102, 0.5843, 0.3176**.

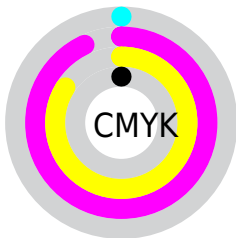
Distribution



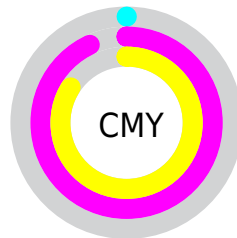
- Red (100%)
- Green (7%)
- Blue (16%)



- Red (100%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (93%)
- Yellow (84%)
- Black (0%)





- Cyan (0%)
- Magenta (93%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8598, 0.6164, 0.3218 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 21.8598, 0.6164, 0.3218 by changing the saturation by 10% instead.


 21.8598, 0.6164,
0.3218


 21.8598, 0.6164,
0.3218


261.8132, 0.4556,
0.3458


 13.7539, 0.6533,
0.3078


 46.5142, 0.5589,
0.3364


 7.9497, 0.6992,
0.2869


 63.8314, 0.5367,
0.3401

 4.0628, 0.7478,
0.2522

 84.9880, 0.5179,
0.3425

 1.7087, 0.8003,
0.1997

 110.3682, 0.5017,
0.3440

 0.4293, 0.8882,
0.1118

 140.3564, 0.4878,
0.3449

 0.0000, 1.0000,
0.0000


 175.3370, 0.4756,


 0.0000, 0.0000,


0.3455


0.0000

215.6945, 0.4650,
0.3457


 21.8598, 0.6164,
0.3218


 21.8598, 0.6164,
0.3218


 21.3319, 0.6310,
0.3250


 23.4102, 0.5843,
0.3176

 26.2278, 0.5422,
0.3151

 30.5118, 0.4965,
0.3146

 36.4258, 0.4528,
0.3157

 44.1113, 0.4142,
0.3178

 53.6950, 0.3818,
0.3203

 65.2914, 0.3554,
0.3231

 79.0064, 0.3341,
0.3258

 94.9383, 0.3170,
0.3283

Harmonies

Analogous

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



21.8598, 0.5288, 0.2443



21.8598, 0.6164, 0.3218



21.8598, 0.5790, 0.4112

Triad

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



21.8598, 0.6164, 0.3218



21.8598, 0.2119, 0.6067



21.8598, 0.1225, 0.1212

Complementary

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



21.8598, 0.6164, 0.3218



77.4226, 0.2337, 0.3587

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.



21.8598, 0.0858, 0.1420



21.8598, 0.6164, 0.3218



21.8598, 0.1185, 0.3891

Square

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



21.8598, 0.6164, 0.3218



21.8598, 0.3378, 0.6345



21.8598, 0.0822, 0.2162



21.8598, 0.2058, 0.1332

Rectangle

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



21.8598, 0.6164, 0.3218



21.8598, 0.5128, 0.4872



21.8598, 0.0822, 0.2162



21.8598, 0.1061, 0.1241

Sweetspot

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



21.8612, 0.6164, 0.3218



59.1274, 0.3682, 0.3217



24.0439, 0.2932, 0.1408



11.6276, 0.3801, 0.3205



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.



21.8612, 0.6164, 0.3218



21.3331, 0.6310, 0.3250



32.2198, 0.5615, 0.3865



18.0168, 0.3279, 0.3266



11.1567, 0.6287, 0.3237



1.0957, 0.6074, 0.3120

Inverse Universe

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



21.8612, 0.6164, 0.3218



21.3331, 0.6310, 0.3250



33.9651, 0.1915, 0.2058



18.0168, 0.3279, 0.3266



11.1567, 0.6287, 0.3237



1.0957, 0.6074, 0.3120

Previews

White Background



This preview shows how the Yxy color 21.8598, 0.6164, 0.3218 looks on a white background.

Color Contrast Check

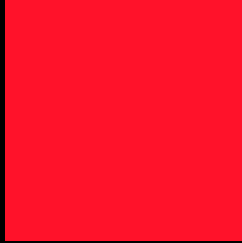
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8598, 0.6164, 0.3218 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 21.8598, 0.6164, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 21.8598, 0.6164, 0.3218.



This preview shows how white text looks on a background with the Yxy color 21.8598, 0.6164, 0.3218.

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

21.8598, 0.6164, 0.3218

Protanopia

22.2102, 0.3980, 0.4350

Deuteranopia

22.0875, 0.4679, 0.4600



Tritanopia

21.9398, 0.6312, 0.3326

Trichromacy



Original Color

21.8598, 0.6164, 0.3218



Protanomaly

17.6406, 0.5034, 0.3684



Deuteranomaly

18.4333, 0.5520, 0.3848



Tritanomaly

21.8957, 0.6276, 0.3297

Monochromacy



Original Color

21.8598, 0.6164, 0.3218



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.8543, 0.4608, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8598, 0.6164, 0.3218 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, 18, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 42)  
}
```

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, 18, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 42) }
```

Border

The CSS property to change the border of an element to Yxy 21.8598, 0.6164, 0.3218 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, 18, 42) }
```

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

```
.border{ border-color:rgb(255, 18, 42) }
```

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

Here you see how a box with a 4 pixel rgb(255, 18, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8598, 0.6164, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 42) }
```

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

```
.background{ background-color: rgb(255, 18,  
42) }
```

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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