

Converting Colors

$Y_{xy}(21.3080, 0.6225, 0.3252)$

Have a look what the booklet for
Yxy(21.3080, 0.6225, 0.3252)
contains.

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Color

Yxy(21.2379, 0.6226, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	FC1221
RGB	252, 18, 33
RGB Percent	99%, 7%, 13%
CMY	0.0118, 0.9292, 0.8707
CMYK	0.00, 0.93, 0.87, 0.01
HSL	356°, 97%, 53%
HSV	356°, 93%, 99%
XYZ	40.6353, 21.2379, 3.3939
YIQ	89.6760, 134.6490, 54.2730

Conversions

Conversions Part 2

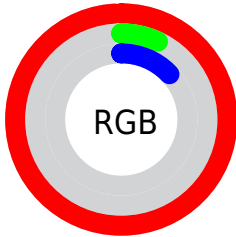
Format	Color
R_{YB}	252, 18, 33
Decimal	16519713
CIE Lab	53.21, 78.35, 56.38
CIE LCh	53, 96.532, 35.739
Yxy	21.2379, 0.6226, 0.3254
Android (android.graphics.Color)	4294709793 (0xFFFC1221)
YUV	89.6760, -27.9413, 142.3581
Hunter-Lab	46.0846, 76.7450, 27.8928

Details

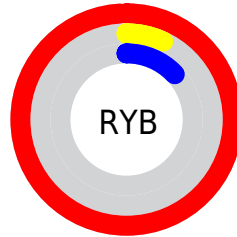
The Yxy color **21.2379, 0.6226, 0.3254** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **75.8688, 0.2306, 0.3474**, and the grayscale version is **10.1955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9684, 0.5282, 0.3459**, and **10.3143, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.7328, 0.6352, 0.3273**, and if you desaturate by 10%, it is **22.7326, 0.5923, 0.3225**.

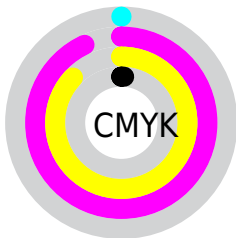
Distribution



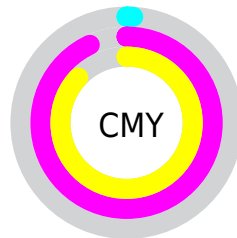
- Red (99%)
- Green (7%)
- Blue (13%)



- Red (99%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (93%)
- Yellow (87%)
- Black (1%)




- Cyan (1%)
- Magenta (93%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2379, 0.6226, 0.3254 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 21.2379, 0.6226, 0.3254 by changing the saturation by 10% instead.


 21.2379, 0.6226,
0.3254


 21.2379, 0.6226,
0.3254

258.5401, 0.4595,
0.3495


 13.2980, 0.6591,
0.3106


 45.4831, 0.5650,
0.3408


 7.6341, 0.7077,
0.2900


 62.5573, 0.5425,
0.3445


 3.8617, 0.7487,
0.2513

 83.4449, 0.5233,
0.3469

 1.5965, 0.8023,
0.1977

 108.5305, 0.5068,
0.3483

 0.3552, 0.8996,
0.1004

 138.1984, 0.4925,
0.3491


 0.0000, 1.0000,
0.0000

 172.8331, 0.4801,


 0.0000, 0.0000,

0.3495


0.0000


 212.8188, 0.4692,
0.3496


 21.2379, 0.6226,
0.3254


 21.2379, 0.6226,
0.3254


 20.7328, 0.6352,
0.3273

 22.7326, 0.5923,
0.3225

 25.4662, 0.5504,
0.3208

 29.6337, 0.5037,
0.3203

 35.3955, 0.4584,
0.3208

 42.8905, 0.4182,
0.3220

■ 52.2426, 0.3845,
0.3236

■ 63.5642, 0.3569,
0.3253

■ 76.9590, 0.3348,
0.3270

■ 92.5233, 0.3171,
0.3286

Harmonies

Analogous

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



21.2379, 0.5434, 0.2474



21.2379, 0.6226, 0.3254



21.2379, 0.5772, 0.4176

Triad

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



21.2379, 0.6226, 0.3254



21.2379, 0.2010, 0.6035



21.2379, 0.1238, 0.1184

Complementary

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



21.2379, 0.6226, 0.3254



75.8688, 0.2306, 0.3474

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.



21.2379, 0.0845, 0.1364



21.2379, 0.6226, 0.3254



21.2379, 0.1109, 0.3744

Square

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



21.2379, 0.6226, 0.3254



21.2379, 0.3269, 0.6447



21.2379, 0.0784, 0.2059



21.2379, 0.2117, 0.1325

Rectangle

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



21.2379, 0.6226, 0.3254



21.2379, 0.5051, 0.4949



21.2379, 0.0784, 0.2059



21.2379, 0.1064, 0.1204

Sweetspot

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



21.2393, 0.6226, 0.3254



59.0124, 0.3705, 0.3244



25.3645, 0.3051, 0.1474



11.6012, 0.3830, 0.3237



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.



21.2393, 0.6226, 0.3254



21.2982, 0.6353, 0.3273



34.0355, 0.5479, 0.3976



17.2431, 0.3284, 0.3275



10.8071, 0.6335, 0.3264



1.0070, 0.6180, 0.3178

Inverse Universe

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



21.2393, 0.6226, 0.3254



21.2982, 0.6353, 0.3273



29.1695, 0.1869, 0.1892



17.2431, 0.3284, 0.3275



10.8071, 0.6335, 0.3264



1.0070, 0.6180, 0.3178

Previews

White Background



This preview shows how the Yxy color 21.2379, 0.6226, 0.3254 looks on a white background.

Color Contrast Check

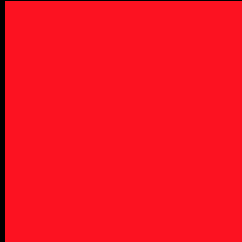
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2379, 0.6226, 0.3254 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 21.2379, 0.6226, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 21.2379, 0.6226, 0.3254.



This preview shows how white text looks on a background with the Yxy color 21.2379, 0.6226, 0.3254.

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

21.2379, 0.6226, 0.3254

Protanopia

21.4746, 0.4088, 0.4482

Deuteranopia

21.3561, 0.4718, 0.4636



Tritanopia

21.2758, 0.6341, 0.3336

Trichromacy



Original Color

21.2379, 0.6226, 0.3254

Protanomaly

17.1379, 0.5144, 0.3781

Deuteranomaly

17.9693, 0.5575, 0.3892

Tritanomaly

21.2635, 0.6313, 0.3315

Monochromacy



Original Color

21.2379, 0.6226, 0.3254

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.4860, 0.4689, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2379, 0.6226, 0.3254 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(252, 18, 33)` looks like.

```
.text, #text, p{  
  color:rgb(252, 18, 33)  
}
```

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(252, 18, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 18, 33) }
```

Border

The CSS property to change the border of an element to Yxy 21.2379, 0.6226, 0.3254 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(252, 18, 33) }
```

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

```
.border{ border-color:rgb(252, 18, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 18, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 18, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 18, 33);  
box-shadow:4px 4px 4px 4px rgb(252, 18,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2379, 0.6226, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 18, 33) }
```

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

```
.background{ background-color: rgb(252, 18,  
33) }
```

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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