

Converting Colors

$Y_{xy}(21.1247, 0.6063, 0.3218)$

Have a look what the booklet for
Yxy(21.1247, 0.6063, 0.3218)
contains.

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Color

Yxy(21.0404, 0.6068, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	F81D2F
RGB	248, 29, 47
RGB Percent	97%, 11%, 18%
CMY	0.0275, 0.8861, 0.8157
CMYK	0.00, 0.88, 0.81, 0.03
HSL	355°, 94%, 54%
HSV	355°, 88%, 97%
XYZ	39.6624, 21.0404, 4.6604
YIQ	96.5330, 124.7460, 52.0260

Conversions

Conversions Part 2

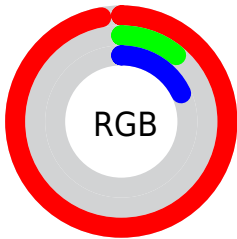
Format	Color
R_{YB}	248, 29, 47
Decimal	16260399
CIE Lab	52.99, 76.25, 48.99
CIE LCh	53, 90.634, 32.723
Yxy	21.0404, 0.6068, 0.3219
Android (android.graphics.Color)	4294450479 (0xFFFF81D2F)
YUV	96.5330, -24.4198, 132.8366
Hunter-Lab	45.8698, 74.0718, 26.0850

Details

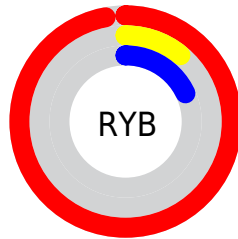
The Yxy color **21.0404, 0.6068, 0.3219** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **73.1081, 0.2326, 0.3516**, and the grayscale version is **11.8786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9688, 0.5107, 0.3387**, and **9.9495, 0.6389, 0.3293** is the 20% darker color. If you saturate the color by 10%, you get **20.1145, 0.6304, 0.3258**, and if you desaturate by 10%, it is **23.0189, 0.5698, 0.3190**.

Distribution



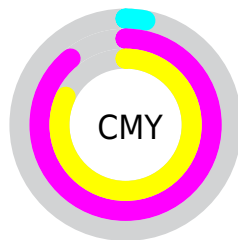
- Red (97%)
- Green (11%)
- Blue (18%)



- Red (97%)
- Yellow (11%)
- Blue (18%)



- Cyan (0%)
- Magenta (88%)
- Yellow (81%)
- Black (3%)





- Cyan (3%)
- Magenta (89%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0404, 0.6068, 0.3219 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 21.0404, 0.6068, 0.3219 by changing the saturation by 10% instead.


 21.0404, 0.6068,
0.3219


 21.0404, 0.6068,
0.3219


257.4931, 0.4486,
0.3439


 13.1535, 0.6445,
0.3087


 45.1548, 0.5493,
0.3355


 7.5344, 0.6907,
0.2882


 62.1510, 0.5274,
0.3389

 3.7985, 0.7449,
0.2551

 82.9526, 0.5090,
0.3410

 1.5615, 0.7987,
0.2013

 107.9438, 0.4932,
0.3424

 0.3314, 0.9007,
0.0993

 137.5091, 0.4797,
0.3432

 0.0000, 1.0000,
0.0000

 172.0328, 0.4679,

 0.0000, 0.0000,

0.3437

0.0000

211.8993, 0.4577,
0.3439

■ 21.0404, 0.6068,
0.3219

■ 21.0404, 0.6068,
0.3219

■ 20.1145, 0.6304,
0.3258

■ 23.0189, 0.5698,
0.3190


■ 20.0070, 0.6332,
0.3262

■ 26.2789, 0.5249,
0.3176

■ 30.9900, 0.4790,
0.3177


■ 37.2953, 0.4366,
0.3190

■ 45.3205, 0.4002,
0.3208

 55.1789, 0.3700,
0.3230

 66.9741, 0.3456,
0.3252

 80.8018, 0.3260,
0.3273

 96.7516, 0.3103,
0.3293

Harmonies

Analogous

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



21.0404, 0.5165, 0.2448



21.0404, 0.6068, 0.3219



21.0404, 0.5759, 0.4094

Triad

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



21.0404, 0.6068, 0.3219



21.0404, 0.2208, 0.5993



21.0404, 0.1250, 0.1260

Complementary

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



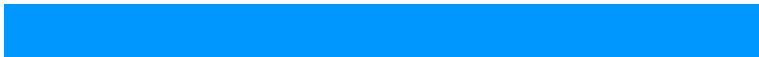
21.0404, 0.6068, 0.3219



73.1081, 0.2326, 0.3516

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.



21.0404, 0.0898, 0.1483



21.0404, 0.6068, 0.3219



21.0404, 0.1264, 0.3951

Square

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



21.0404, 0.6068, 0.3219



21.0404, 0.3452, 0.6234



21.0404, 0.0877, 0.2245



21.0404, 0.2054, 0.1367

Rectangle

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



21.0404, 0.6068, 0.3219



21.0404, 0.5145, 0.4832



21.0404, 0.0877, 0.2245



21.0404, 0.1091, 0.1292

Sweetspot

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



21.0417, 0.6068, 0.3219



61.4274, 0.3640, 0.3235



24.4395, 0.3022, 0.1479



12.2849, 0.3734, 0.3227



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.



21.0417, 0.6068, 0.3219



21.3138, 0.6333, 0.3263



33.5438, 0.5409, 0.3972



17.2483, 0.3281, 0.3271



10.8163, 0.6313, 0.3251



1.0095, 0.6121, 0.3146

Inverse Universe

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



21.0417, 0.6068, 0.3219



21.3138, 0.6333, 0.3263



31.0741, 0.1916, 0.2021



17.2483, 0.3281, 0.3271



10.8163, 0.6313, 0.3251



1.0095, 0.6121, 0.3146

Previews

White Background



This preview shows how the Yxy color 21.0404, 0.6068, 0.3219 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 21.0404, 0.6068, 0.3219 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 21.0404, 0.6068, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 21.0404, 0.6068, 0.3219.



This preview shows how white text looks on a background with the Yxy color 21.0404, 0.6068, 0.3219.

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

21.0404, 0.6068, 0.3219

Protanopia

21.2221, 0.3915, 0.4245

Deuteranopia

21.2275, 0.4605, 0.4540



Tritanopia

21.1280, 0.6196, 0.3317

Trichromacy



Original Color

21.0404, 0.6068, 0.3219

Protanomaly

17.4248, 0.4891, 0.3669

Deuteranomaly

18.3014, 0.5370, 0.3851

Tritanomaly

21.1108, 0.6155, 0.3287

Monochromacy



Original Color

21.0404, 0.6068, 0.3219

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8746, 0.4464, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0404, 0.6068, 0.3219 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(248, 29, 47)` looks like.

```
.text, #text, p{  
  color:rgb(248, 29, 47)  
}
```

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(248, 29, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 29, 47) }
```

Border

The CSS property to change the border of an element to Yxy 21.0404, 0.6068, 0.3219 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(248, 29, 47) }
```

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

```
.border{ border-color:rgb(248, 29, 47) }
```

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

Here you see how a box with a 4 pixel rgb(248, 29, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 29, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 29, 47);  
box-shadow:4px 4px 4px 4px rgb(248, 29,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0404, 0.6068, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 29, 47) }
```

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

```
.background{ background-color: rgb(248, 29,  
47) }
```

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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