

Converting Colors

$Y_{xy}(21.2982, 0.5121, 0.3243)$

Have a look what the booklet for
Yxy(21.2982, 0.5121, 0.3243)
contains.

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Color

Yxy(21.2921, 0.5121, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	DB4F54
RGB	219, 79, 84
RGB Percent	86%, 31%, 33%
CMY	0.1412, 0.6902, 0.6705
CMYK	0.00, 0.64, 0.62, 0.14
HSL	358°, 66%, 58%
HSV	358°, 64%, 86%
XYZ	33.6119, 21.2921, 10.7314
YIQ	121.4300, 81.8350, 31.2350

Conversions

Conversions Part 2

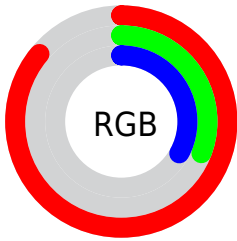
Format	Color
RYB	219, 79, 84
Decimal	14372692
CIELab	53.27, 55.01, 27.04
CIElCh	53, 61.300, 26.178
Yxy	21.2921, 0.5121, 0.3244
Android (android.graphics.Color)	4292562772 (0xFFDB4F54)
YUV	121.4300, -18.4530, 85.5689
Hunter-Lab	46.1434, 49.2725, 18.5115

Details

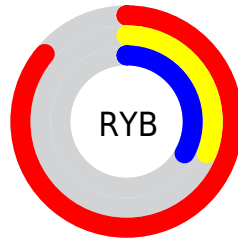
The Yxy color **21.2921, 0.5121, 0.3244** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **57.1820, 0.2388, 0.3356**, and the grayscale version is **19.3091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0314, 0.4449, 0.3294**, and **7.7034, 0.5856, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **18.3549, 0.5589, 0.3249**, and if you desaturate by 10%, it is **25.3717, 0.4659, 0.3246**.

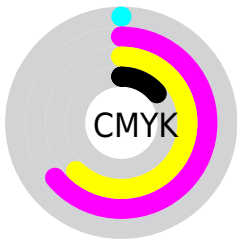
Distribution



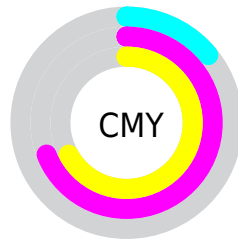
- Red (86%)
- Green (31%)
- Blue (33%)



- Red (86%)
- Yellow (31%)
- Blue (33%)



- Cyan (0%)
- Magenta (64%)
- Yellow (62%)
- Black (14%)





- Cyan (14%)
- Magenta (69%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2921, 0.5121, 0.3244 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 21.2921, 0.5121, 0.3244 by changing the saturation by 10% instead.


 21.2921, 0.5121,
0.3244


 21.2921, 0.5121,
0.3244


258.8268, 0.3998,
0.3338


 13.3377, 0.5435,
0.3186


 45.5732, 0.4685,
0.3301


 7.6615, 0.5852,
0.3085


 62.6686, 0.4530,
0.3315

 3.8791, 0.6415,
0.2901

 83.5798, 0.4401,
0.3325

 1.6062, 0.7379,
0.2621

 108.6913, 0.4294,
0.3330

 0.3618, 0.8469,
0.1531

 138.3873, 0.4203,
0.3334

 0.0000, 1.0000,
0.0000

173.0523, 0.4125,

 0.0000, 0.0000,

0.3336

0.0000

213.0707, 0.4058,
0.3338

■ 21.2921, 0.5121,
0.3244

■ 21.2921, 0.5121,
0.3244

■ 18.3549, 0.5589,
0.3249

■ 25.3717, 0.4659,
0.3246

■ 16.4404, 0.5996,
0.3260

■ 30.6903, 0.4244,
0.3252

■ 15.4094, 0.6273,
0.3277

■ 37.3386, 0.3893,
0.3260

■ 15.0782, 0.6370,
0.3283

■ 45.3977, 0.3606,
0.3269

■ 54.9423, 0.3374,
0.3278

■ 66.0418, 0.3189,
0.3287

■ 78.7612, 0.3041,
0.3295

■ 93.1618, 0.2922,
0.3302

■ 93.8009, 0.2911,
0.3289

Harmonies

Analogous

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



21.2921, 0.4299, 0.2586



21.2921, 0.5121, 0.3244



21.2921, 0.5217, 0.3968

Triad

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



21.2921, 0.5121, 0.3244



21.2921, 0.2797, 0.5157



21.2921, 0.1607, 0.1762

Complementary

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



21.2921, 0.5121, 0.3244



57.1820, 0.2388, 0.3356

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.



21.2921, 0.1370, 0.2074



21.2921, 0.5121, 0.3244



21.2921, 0.1943, 0.4067

Square

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



21.2921, 0.5121, 0.3244



21.2921, 0.3791, 0.5303



21.2921, 0.1464, 0.2837



21.2921, 0.2191, 0.1778

Rectangle

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



21.2921, 0.5121, 0.3244



21.2921, 0.4910, 0.4475



21.2921, 0.1464, 0.2837



21.2921, 0.1491, 0.1825

Sweetspot

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



21.2933, 0.5121, 0.3244



70.2363, 0.3489, 0.3273



24.7044, 0.3120, 0.1804



14.2239, 0.3558, 0.3271



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.



21.2933, 0.5121, 0.3244



24.7419, 0.5752, 0.3252



34.9720, 0.4616, 0.4006



13.0591, 0.3286, 0.3282



8.9436, 0.6360, 0.3277



0.5821, 0.6238, 0.3210

Inverse Universe

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



21.2933, 0.5121, 0.3244



24.7419, 0.5752, 0.3252



30.5548, 0.2148, 0.2352



13.0591, 0.3286, 0.3282



8.9436, 0.6360, 0.3277



0.5821, 0.6238, 0.3210

Previews

White Background



This preview shows how the Yxy color 21.2921, 0.5121, 0.3244 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 21.2921, 0.5121, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

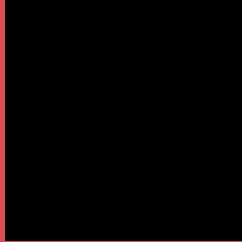
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.2921, 0.5121, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 21.2921, 0.5121, 0.3244.



This preview shows how white text looks on a background with the Yxy color 21.2921, 0.5121, 0.3244.

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

21.2921, 0.5121, 0.3244

Protanopia

21.3291, 0.3488, 0.3705

Deuteranopia

21.4235, 0.4097, 0.4023



Tritanopia

21.2921, 0.5121, 0.3244

Trichromacy



Original Color

21.2921, 0.5121, 0.3244

Protanomaly

20.1219, 0.4077, 0.3497

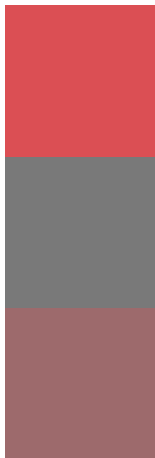
Deuteranomaly

20.3522, 0.4496, 0.3666

Tritanomaly

21.2921, 0.5121, 0.3244

Monochromacy



Original Color

21.2921, 0.5121, 0.3244

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.5589, 0.3822, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2921, 0.5121, 0.3244 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(219, 79, 84)` looks like.

```
.text, #text, p{  
    color:rgb(219, 79, 84)  
}
```

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(219, 79, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 79, 84) }
```

Border

The CSS property to change the border of an element to Yxy 21.2921, 0.5121, 0.3244 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(219, 79, 84) }
```

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

```
.border{ border-color:rgb(219, 79, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 79, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 79, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 79, 84);  
box-shadow:4px 4px 4px 4px rgb(219, 79,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2921, 0.5121, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 79, 84) }
```

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

```
.background{ background-color: rgb(219, 79,  
84) }
```

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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