

Converting Colors

$Y_{xy}(21.2230, 0.5171, 0.3221)$

Have a look what the booklet for
Yxy(21.2230, 0.5171, 0.3221)
contains.

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Color

Yxy(21.1811, 0.5162, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	DD4C54
RGB	221, 76, 84
RGB Percent	87%, 30%, 33%
CMY	0.1334, 0.7018, 0.6706
CMYK	0.00, 0.66, 0.62, 0.13
HSL	357°, 68%, 58%
HSV	357°, 66%, 87%
XYZ	33.9978, 21.1811, 10.6828
YIQ	120.2670, 83.8520, 33.2280

Conversions

Conversions Part 2

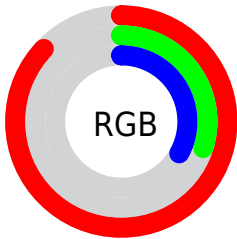
Format	Color
R_{YB}	221, 76, 84
Decimal	14502996
CIE Lab	53.15, 56.88, 26.98
CIE LCh	53, 62.953, 25.372
Yxy	21.1811, 0.5162, 0.3216
Android (android.graphics.Color)	4292693076 (0xFFDD4C54)
YUV	120.2670, -17.8796, 88.3428
Hunter-Lab	46.0229, 51.3203, 18.4538

Details

The Yxy color **21.1811, 0.5162, 0.3216** 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 **58.0428, 0.2390, 0.3396**, and the grayscale version is **18.9149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4838, 0.4460, 0.3273**, and **7.5825, 0.5905, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **18.3611, 0.5622, 0.3223**, and if you desaturate by 10%, it is **25.1463, 0.4702, 0.3218**.

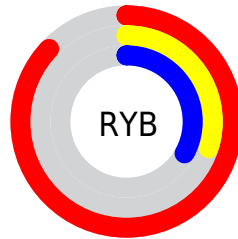
Distribution



Red (87%)

Green (30%)

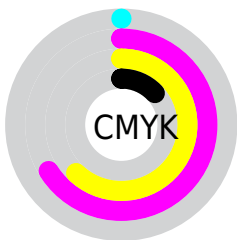
Blue (33%)



Red (87%)

Yellow (30%)

Blue (33%)

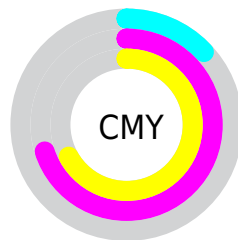


Cyan (0%)

Magenta (66%)

Yellow (62%)

Black (13%)



Cyan (13%)


Magenta (70%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1811, 0.5162, 0.3216 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 21.1811, 0.5162, 0.3216 by changing the saturation by 10% instead.


 21.1811, 0.5162,
0.3216


 21.1811, 0.5162,
0.3216


258.2394, 0.4016,
0.3327


 13.2564, 0.5482,
0.3152


 45.3887, 0.4718,
0.3280


 7.6054, 0.5906,
0.3044


 62.4405, 0.4559,
0.3297

 3.8435, 0.6478,
0.2851

 83.3035, 0.4428,
0.3308

 1.5864, 0.7445,
0.2555

 108.3619, 0.4318,
0.3315

 0.3484, 0.8554,
0.1446

 138.0004, 0.4226,
0.3320

 0.0000, 1.0000,
0.0000

172.6032, 0.4146,

 0.0000, 0.0000,

0.3324

0.0000

212.5547, 0.4077,
0.3326

■ 21.1811, 0.5162,
0.3216

■ 21.1811, 0.5162,
0.3216

■ 18.3611, 0.5622,
0.3223

■ 25.1463, 0.4702,
0.3218

■ 16.5616, 0.6017,
0.3241

■ 30.3574, 0.4285,
0.3228


■ 15.6352, 0.6281,
0.3267

■ 36.9081, 0.3931,
0.3240


■ 15.3951, 0.6354,
0.3274


■ 44.8822, 0.3639,
0.3255

■ 54.3565, 0.3404,
0.3269

 65.4025, 0.3216,
0.3283

 78.0871, 0.3065,
0.3296

 92.4731, 0.2943,
0.3307

 94.1083, 0.2923,
0.3289

Harmonies

Analogous

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



21.1811, 0.4301, 0.2551



21.1811, 0.5162, 0.3216



21.1811, 0.5274, 0.3949

Triad

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



21.1811, 0.5162, 0.3216



21.1811, 0.2807, 0.5237



21.1811, 0.1563, 0.1732

Complementary

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



21.1811, 0.5162, 0.3216



58.0428, 0.2390, 0.3396

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.



21.1811, 0.1332, 0.2057



21.1811, 0.5162, 0.3216



21.1811, 0.1930, 0.4127

Square

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



21.1811, 0.5162, 0.3216



21.1811, 0.3822, 0.5346



21.1811, 0.1434, 0.2848



21.1811, 0.2147, 0.1742

Rectangle

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



21.1811, 0.5162, 0.3216



21.1811, 0.4963, 0.4468



21.1811, 0.1434, 0.2848



21.1811, 0.1450, 0.1798

Sweetspot

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



21.1823, 0.5162, 0.3216



68.9409, 0.3505, 0.3262



24.2883, 0.3093, 0.1764



13.9743, 0.3573, 0.3258



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.



21.1823, 0.5162, 0.3216



24.2338, 0.5794, 0.3229



34.3106, 0.4690, 0.3991



13.0630, 0.3283, 0.3278



8.9508, 0.6339, 0.3265



0.5840, 0.6156, 0.3165

Inverse Universe

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



21.1823, 0.5162, 0.3216



24.2338, 0.5794, 0.3229



31.2685, 0.2135, 0.2360



13.0630, 0.3283, 0.3278



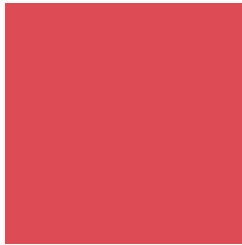
8.9508, 0.6339, 0.3265



0.5840, 0.6156, 0.3165

Previews

White Background



This preview shows how the Yxy color 21.1811, 0.5162, 0.3216 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 21.1811, 0.5162, 0.3216 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 21.1811, 0.5162, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 21.1811, 0.5162, 0.3216.



This preview shows how white text looks on a background with the Yxy color 21.1811, 0.5162, 0.3216.

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

21.1811, 0.5162, 0.3216

Protanopia

21.3702, 0.3465, 0.3669

Deuteranopia

21.4235, 0.4097, 0.4023



Tritanopia

21.2740, 0.5198, 0.3256

Trichromacy



Original Color

21.1811, 0.5162, 0.3216

Protanomaly

19.7140, 0.4077, 0.3450

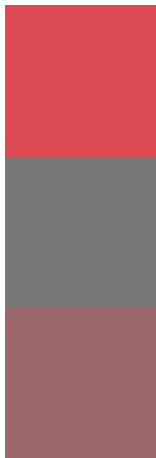
Deuteranomaly

20.2660, 0.4518, 0.3649

Tritanomaly

21.2891, 0.5183, 0.3246

Monochromacy



Original Color

21.1811, 0.5162, 0.3216

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.1303, 0.3847, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1811, 0.5162, 0.3216 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(221, 76, 84)` looks like.

```
.text, #text, p{  
    color:rgb(221, 76, 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(221, 76, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 76, 84) }
```

Border

The CSS property to change the border of an element to Yxy 21.1811, 0.5162, 0.3216 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(221, 76, 84) }
```

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

```
.border{ border-color:rgb(221, 76, 84) }
```

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

Here you see how a box with a 4 pixel rgb(221, 76, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 76, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 76, 84);  
box-shadow:4px 4px 4px 4px rgb(221, 76,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1811, 0.5162, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 76, 84) }
```

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

```
.background{ background-color: rgb(221, 76,  
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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