

Converting Colors

$Y_{xy}(20.6835, 0.5153, 0.3152)$

Have a look what the booklet for
Yxy(20.6835, 0.5153, 0.3152)
contains.

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Color

Yxy(20.6950, 0.5147, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	DD4857
RGB	221, 72, 87
RGB Percent	87%, 28%, 34%
CMY	0.1333, 0.7176, 0.6588
CMYK	0.00, 0.67, 0.61, 0.13
HSL	354°, 69%, 57%
HSV	354°, 67%, 87%
XYZ	33.8580, 20.6950, 11.2290
YIQ	118.2610, 83.9890, 36.2530

Conversions

Conversions Part 2

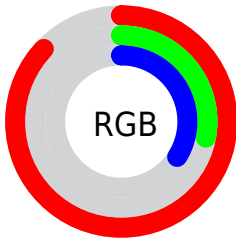
Format	Color
R_{YB}	221, 72, 87
Decimal	14501975
CIE Lab	52.61, 58.69, 24.51
CIE LCh	53, 63.603, 22.666
Yxy	20.6950, 0.5147, 0.3146
Android (android.graphics.Color)	4292692055 (0xFFDD4857)
YUV	118.2610, -15.4117, 90.1021
Hunter-Lab	45.4918, 53.2409, 17.2094

Details

The Yxy color **20.6950, 0.5147, 0.3146** 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 **57.5492, 0.2410, 0.3496**, and the grayscale version is **18.2332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7667, 0.4441, 0.3212**, and **7.5381, 0.5857, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **18.0526, 0.5594, 0.3158**, and if you desaturate by 10%, it is **24.4557, 0.4700, 0.3151**.

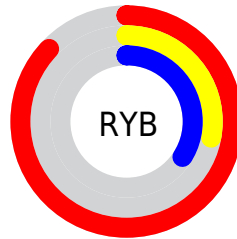
Distribution



Red (87%)

Green (28%)

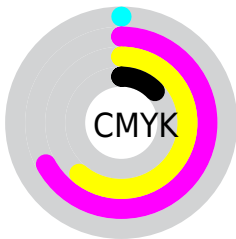
Blue (34%)



Red (87%)

Yellow (28%)

Blue (34%)

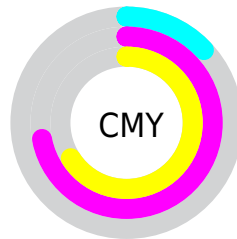


Cyan (0%)

Magenta (67%)

Yellow (61%)

Black (13%)



Cyan (13%)


Magenta (72%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6950, 0.5147, 0.3146 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 20.6950, 0.5147, 0.3146 by changing the saturation by 10% instead.


 20.6950, 0.5147,
0.3146


 20.6950, 0.5147,
0.3146

255.6531, 0.4005,
0.3291


 12.9012, 0.5470,
0.3075

 44.5794, 0.4702,
0.3222


 7.3606, 0.5900,
0.2959


 61.4388, 0.4544,
0.3243


 3.6886, 0.6485,
0.2757

 82.0889, 0.4413,
0.3258

 1.5009, 0.7534,
0.2466

 106.9140, 0.4304,
0.3269

 0.2894, 0.8757,
0.1243

 136.2986, 0.4212,
0.3277

 0.0000, 1.0000,
0.0000

170.6271, 0.4133,

 0.0000, 0.0000,

0.3283

0.0000

210.2838, 0.4065,
0.3288

■ 20.6950, 0.5147,
0.3146

■ 20.6950, 0.5147,
0.3146

■ 18.0526, 0.5594,
0.3158

■ 24.4557, 0.4700,
0.3151

■ 16.4014, 0.5981,
0.3190

■ 29.4366, 0.4295,
0.3168


■ 15.5776, 0.6249,
0.3236


■ 35.7322, 0.3948,
0.3192


■ 15.4318, 0.6300,
0.3244


■ 43.4267, 0.3661,
0.3219

■ 52.5972, 0.3428,
0.3246

 63.3155, 0.3242,
0.3272

 75.6482, 0.3092,
0.3296

 89.6585, 0.2971,
0.3318

 94.1129, 0.2923,
0.3289

Harmonies

Analogous

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



20.6950, 0.4216, 0.2484



20.6950, 0.5147, 0.3146



20.6950, 0.5327, 0.3880

Triad

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



20.6950, 0.5147, 0.3146



20.6950, 0.2888, 0.5334



20.6950, 0.1508, 0.1724

Complementary

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



20.6950, 0.5147, 0.3146



57.5492, 0.2410, 0.3496

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.



20.6950, 0.1304, 0.2087



20.6950, 0.5147, 0.3146



20.6950, 0.1976, 0.4269

Square

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



20.6950, 0.5147, 0.3146



20.6950, 0.3916, 0.5340



20.6950, 0.1438, 0.2937



20.6950, 0.2062, 0.1708

Rectangle

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



20.6950, 0.5147, 0.3146



20.6950, 0.5043, 0.4404



20.6950, 0.1438, 0.2937



20.6950, 0.1403, 0.1801

Sweetspot

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



20.6962, 0.5147, 0.3146



69.0560, 0.3487, 0.3238



22.6396, 0.3009, 0.1696



14.0012, 0.3552, 0.3231



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.



20.6962, 0.5147, 0.3146



23.8437, 0.5769, 0.3170



31.5729, 0.4820, 0.3917



13.0727, 0.3276, 0.3267



8.9719, 0.6277, 0.3232



0.5887, 0.5970, 0.3063

Inverse Universe

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



20.6962, 0.5147, 0.3146



23.8437, 0.5769, 0.3170



33.1090, 0.2141, 0.2446



13.0727, 0.3276, 0.3267



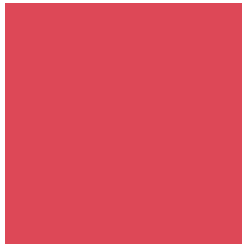
8.9719, 0.6277, 0.3232



0.5887, 0.5970, 0.3063

Previews

White Background



This preview shows how the Yxy color 20.6950, 0.5147, 0.3146 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 20.6950, 0.5147, 0.3146 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 20.6950, 0.5147, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 20.6950, 0.5147, 0.3146.



This preview shows how white text looks on a background with the Yxy color 20.6950, 0.5147, 0.3146.

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

20.6950, 0.5147, 0.3146

Protanopia

20.9749, 0.3372, 0.3563

Deuteranopia

20.6875, 0.4039, 0.3958



Tritanopia

20.8198, 0.5264, 0.3257

Trichromacy



Original Color

20.6950, 0.5147, 0.3146

Protanomaly

19.1599, 0.4005, 0.3356

Deuteranomaly

19.6721, 0.4470, 0.3583

Tritanomaly

20.7313, 0.5229, 0.3218

Monochromacy



Original Color

20.6950, 0.5147, 0.3146

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.3375, 0.3834, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6950, 0.5147, 0.3146 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, 72, 87)` looks like.

```
.text, #text, p{  
    color:rgb(221, 72, 87)  
}
```

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, 72, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 72, 87) }
```

Border

The CSS property to change the border of an element to Yxy 20.6950, 0.5147, 0.3146 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, 72, 87) }
```

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

```
.border{ border-color:rgb(221, 72, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 72, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 72, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 72, 87);  
box-shadow:4px 4px 4px 4px rgb(221, 72,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6950, 0.5147, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 72, 87) }
```

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

```
.background{ background-color: rgb(221, 72,  
87) }
```

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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