

Converting Colors

$Y_{xy}(20.8373, 0.5021, 0.3117)$

Have a look what the booklet for
Yxy(20.8373, 0.5021, 0.3117)
contains.

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Color

Yxy(20.8649, 0.5031, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	DB4B5C
RGB	219, 75, 92
RGB Percent	86%, 29%, 36%
CMY	0.1413, 0.7057, 0.6393
CMYK	0.00, 0.66, 0.58, 0.14
HSL	353°, 67%, 58%
HSV	353°, 66%, 86%
XYZ	33.6554, 20.8649, 12.3758
YIQ	119.9940, 80.3670, 35.8150

Conversions

Conversions Part 2

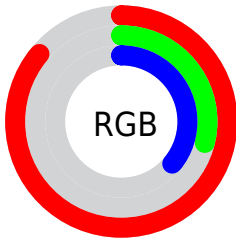
Format	Color
R_{YB}	219, 75, 92
Decimal	14371676
CIE _{Lab}	52.80, 57.18, 21.74
CIE _{LCh}	53, 61.170, 20.821
Yxy	20.8649, 0.5031, 0.3119
Android (android.graphics.Color)	4292561756 (0xFFDB4B5C)
YUV	119.9940, -13.8010, 86.8283
Hunter-Lab	45.6781, 51.5813, 15.9110

Details

The Yxy color **20.8649, 0.5031, 0.3119** 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 **56.4131, 0.2430, 0.3525**, and the grayscale version is **18.8103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4456, 0.4373, 0.3180**, and **7.4743, 0.5742, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **18.0920, 0.5477, 0.3128**, and if you desaturate by 10%, it is **24.7482, 0.4597, 0.3129**.

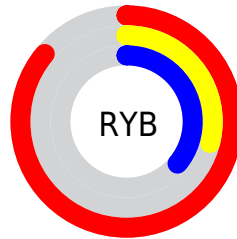
Distribution



Red (86%)

Green (29%)

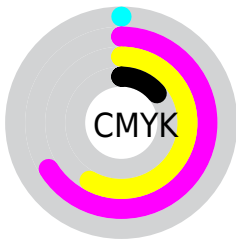
Blue (36%)



Red (86%)

Yellow (29%)

Blue (36%)

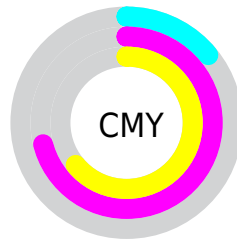


Cyan (0%)

Magenta (66%)

Yellow (58%)

Black (14%)



Cyan (14%)


Magenta (71%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8649, 0.5031, 0.3119 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 20.8649, 0.5031, 0.3119 by changing the saturation by 10% instead.


 20.8649, 0.5031,
0.3119


 20.8649, 0.5031,
0.3119


256.5596, 0.3953,
0.3269


 13.0253, 0.5339,
0.3051


 44.8626, 0.4610,
0.3194

 7.4460, 0.5752,
0.2942


 61.7894, 0.4460,
0.3216


 3.7425, 0.6324,
0.2754

 82.5142, 0.4337,
0.3231

 1.5306, 0.7447,
0.2515

 107.4212, 0.4235,
0.3243

 0.3101, 0.8662,
0.1338

 136.8948, 0.4148,
0.3252

 0.0000, 1.0000,
0.0000

171.3195, 0.4074,

 0.0000, 0.0000,

0.3259

0.0000

211.0797, 0.4009,
0.3265

■ 20.8649, 0.5031,
0.3119

■ 20.8649, 0.5031,
0.3119

■ 18.0920, 0.5477,
0.3128

■ 24.7482, 0.4597,
0.3129

■ 16.3093, 0.5880,
0.3159

■ 29.8388, 0.4209,
0.3151


■ 15.3748, 0.6179,
0.3210


■ 36.2269, 0.3879,
0.3180


■ 15.1299, 0.6272,
0.3229


■ 43.9933, 0.3608,
0.3212

■ 53.2121, 0.3389,
0.3244

 63.9522, 0.3212,
0.3274

 76.2780, 0.3070,
0.3302

 90.2503, 0.2956,
0.3327

 93.7963, 0.2911,
0.3289

Harmonies

Analogous

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



20.8649, 0.4105, 0.2477



20.8649, 0.5031, 0.3119



20.8649, 0.5263, 0.3834

Triad

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



20.8649, 0.5031, 0.3119



20.8649, 0.2970, 0.5271



20.8649, 0.1535, 0.1785

Complementary

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



20.8649, 0.5031, 0.3119



56.4131, 0.2430, 0.3525

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.



20.8649, 0.1356, 0.2169



20.8649, 0.5031, 0.3119



20.8649, 0.2068, 0.4307

Square

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



20.8649, 0.5031, 0.3119



20.8649, 0.3965, 0.5242



20.8649, 0.1513, 0.3027



20.8649, 0.2055, 0.1748

Rectangle

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



20.8649, 0.5031, 0.3119



20.8649, 0.5022, 0.4340



20.8649, 0.1513, 0.3027



20.8649, 0.1439, 0.1869

Sweetspot

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



20.8661, 0.5031, 0.3119



69.0992, 0.3480, 0.3230



22.4001, 0.2988, 0.1713



14.0113, 0.3544, 0.3221



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.



20.8661, 0.5031, 0.3119



24.3963, 0.5645, 0.3138



30.9549, 0.4786, 0.3881



13.0763, 0.3273, 0.3263



8.9819, 0.6249, 0.3216



0.5904, 0.5905, 0.3027

Inverse Universe

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



20.8661, 0.5031, 0.3119



24.3963, 0.5645, 0.3138



33.9552, 0.2170, 0.2509



13.0763, 0.3273, 0.3263



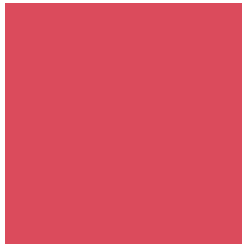
8.9819, 0.6249, 0.3216



0.5904, 0.5905, 0.3027

Previews

White Background



This preview shows how the Yxy color 20.8649, 0.5031, 0.3119 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 20.8649, 0.5031, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

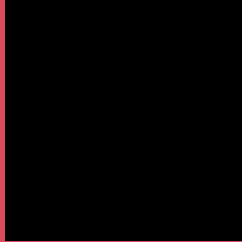
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8649, 0.5031, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 20.8649, 0.5031, 0.3119.

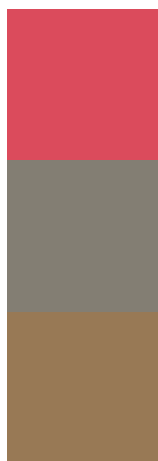


This preview shows how white text looks on a background with the Yxy color 20.8649, 0.5031, 0.3119.

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

20.8649, 0.5031, 0.3119

Protanopia

20.9848, 0.3313, 0.3490

Deuteranopia

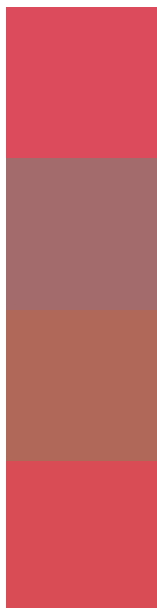
21.0060, 0.3971, 0.3893



Tritanopia

20.8073, 0.5171, 0.3255

Trichromacy



Original Color

20.8649, 0.5031, 0.3119

Protanomaly

19.3635, 0.3913, 0.3292

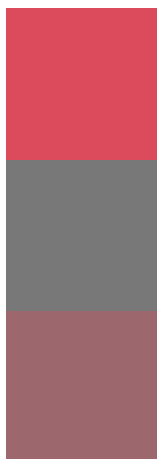
Deuteranomaly

19.8353, 0.4379, 0.3528

Tritanomaly

20.7302, 0.5120, 0.3203

Monochromacy



Original Color

20.8649, 0.5031, 0.3119

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.0943, 0.3789, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8649, 0.5031, 0.3119 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, 75, 92)` looks like.

```
.text, #text, p{  
    color:rgb(219, 75, 92)  
}
```

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, 75, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 75, 92) }
```

Border

The CSS property to change the border of an element to Yxy 20.8649, 0.5031, 0.3119 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, 75, 92) }
```

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

```
.border{ border-color:rgb(219, 75, 92) }
```

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

Here you see how a box with a 4 pixel rgb(219, 75, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 75, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 75, 92);  
box-shadow:4px 4px 4px 4px rgb(219, 75,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8649, 0.5031, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 75, 92) }
```

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

```
.background{ background-color: rgb(219, 75,  
92) }
```

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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