

Converting Colors

$Yxy(19.8355, 0.5268, 0.3120)$

Have a look what the booklet for
Yxy(19.8355, 0.5268, 0.3120)
contains.

Yxy(19.8209, 0.5272, 0.3117)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8209, 0.5272, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	DE4053
RGB	222, 64, 83
RGB Percent	87%, 25%, 33%
CMY	0.1293, 0.7491, 0.6745
CMYK	0.00, 0.71, 0.63, 0.13
HSL	353°, 71%, 56%
HSV	353°, 71%, 87%
XYZ	33.5245, 19.8209, 10.2443
YIQ	113.4080, 88.0690, 39.4050

Conversions

Conversions Part 2

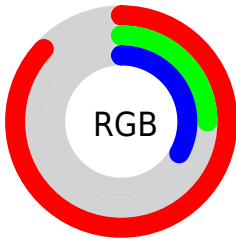
Format	Color
R_{YB}	222, 64, 83
Decimal	14565459
CIE Lab	51.63, 61.75, 25.65
CIE LCh	52, 66.861, 22.555
Yxy	19.8209, 0.5272, 0.3117
Android (android.graphics.Color)	4292755539 (0xFFDE4053)
YUV	113.4080, -14.9911, 95.2352
Hunter-Lab	44.5207, 56.5010, 17.5217

Details

The Yxy color **19.8209, 0.5272, 0.3117** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **57.6551, 0.2405, 0.3554**, and the grayscale version is **16.6647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8450, 0.4538, 0.3193**, and **7.6201, 0.5924, 0.3037** is the 20% darker color. If you saturate the color by 10%, you get **17.5375, 0.5702, 0.3138**, and if you desaturate by 10%, it is **23.1874, 0.4826, 0.3117**.

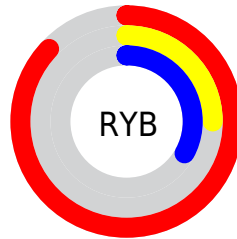
Distribution



Red (87%)

Green (25%)

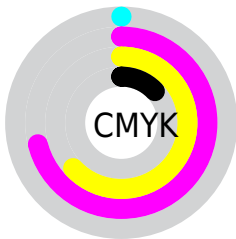
Blue (33%)



Red (87%)

Yellow (25%)

Blue (33%)

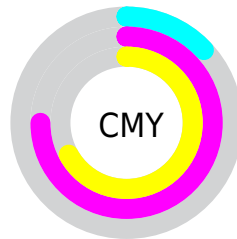


Cyan (0%)

Magenta (71%)

Yellow (63%)

Black (13%)



Cyan (13%)


Magenta (75%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8209, 0.5272, 0.3117 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 19.8209, 0.5272, 0.3117 by changing the saturation by 10% instead.


 19.8209, 0.5272,
0.3117


 19.8209, 0.5272,
0.3117


250.9439, 0.4055,
0.3287


 12.2649, 0.5615,
0.3035


 43.1167, 0.4798,
0.3205


 6.9244, 0.6070,
0.2902


 59.6253, 0.4629,
0.3230


 3.4148, 0.6688,
0.2674

 79.8869, 0.4490,
0.3247

 1.3520, 0.7689,
0.2311

 104.2860, 0.4374,
0.3260

 0.1809, 0.9166,
0.0834

 133.2068, 0.4276,
0.3270

 0.0000, 1.0000,
0.0000

167.0338, 0.4192,

 0.0000, 0.0000,

0.3277

0.0000

206.1513, 0.4119,
0.3282

■ 19.8209, 0.5272,
0.3117

■ 19.8209, 0.5272,
0.3117

■ 17.5375, 0.5702,
0.3138

■ 23.1874, 0.4826,
0.3117

■ 16.2000, 0.6056,
0.3182


■ 27.7458, 0.4411,
0.3134

■ 15.6111, 0.6269,
0.3227


■ 33.5951, 0.4050,
0.3161

■ 40.8233, 0.3748,
0.3192

■ 49.5105, 0.3502,
0.3225

 59.7309, 0.3303,
0.3257

 71.5534, 0.3144,
0.3287

 85.0428, 0.3015,
0.3314

 94.2732, 0.2929,
0.3289

Harmonies

Analogous

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



19.8209, 0.4279, 0.2435



19.8209, 0.5272, 0.3117



19.8209, 0.5445, 0.3873

Triad

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



19.8209, 0.5272, 0.3117



19.8209, 0.2856, 0.5491



19.8209, 0.1430, 0.1647

Complementary

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



19.8209, 0.5272, 0.3117



57.6551, 0.2405, 0.3554

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.



19.8209, 0.1221, 0.2016



19.8209, 0.5272, 0.3117



19.8209, 0.1904, 0.4344

Square

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



19.8209, 0.5272, 0.3117



19.8209, 0.3931, 0.5451



19.8209, 0.1352, 0.2905



19.8209, 0.2000, 0.1634

Rectangle

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



19.8209, 0.5272, 0.3117



19.8209, 0.5131, 0.4422



19.8209, 0.1352, 0.2905



19.8209, 0.1324, 0.1725

Sweetspot

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



19.8221, 0.5272, 0.3117



67.7925, 0.3501, 0.3225



21.3499, 0.2970, 0.1622



13.7577, 0.3565, 0.3216



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.



19.8221, 0.5272, 0.3117



23.0365, 0.5873, 0.3156



29.8042, 0.4974, 0.3901



13.7273, 0.3273, 0.3262



9.2791, 0.6246, 0.3214



0.6522, 0.5915, 0.3032

Inverse Universe

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



19.8221, 0.5272, 0.3117



23.0365, 0.5873, 0.3156



32.9413, 0.2110, 0.2431



13.7273, 0.3273, 0.3262



9.2791, 0.6246, 0.3214



0.6522, 0.5915, 0.3032

Previews

White Background



This preview shows how the Yxy color 19.8209, 0.5272, 0.3117 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 19.8209, 0.5272, 0.3117 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 19.8209, 0.5272, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 19.8209, 0.5272, 0.3117.



This preview shows how white text looks on a background with the Yxy color 19.8209, 0.5272, 0.3117.

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

19.8209, 0.5272, 0.3117

Protanopia

19.9158, 0.3377, 0.3569

Deuteranopia

19.9489, 0.4089, 0.4013



Tritanopia

19.7108, 0.5438, 0.3261

Trichromacy



Original Color

19.8209, 0.5272, 0.3117

Protanomaly

18.1901, 0.4060, 0.3341

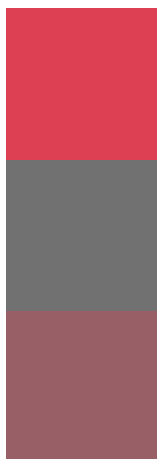
Deuteranomaly

18.5155, 0.4574, 0.3581

Tritanomaly

19.6607, 0.5375, 0.3205

Monochromacy



Original Color

19.8209, 0.5272, 0.3117

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.9160, 0.3914, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8209, 0.5272, 0.3117 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(222, 64, 83)` looks like.

```
.text, #text, p{  
    color:rgb(222, 64, 83)  
}
```

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(222, 64, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 64, 83) }
```

Border

The CSS property to change the border of an element to Yxy 19.8209, 0.5272, 0.3117 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(222, 64, 83) }
```

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

```
.border{ border-color:rgb(222, 64, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 64, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 64, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 64, 83);  
box-shadow:4px 4px 4px 4px rgb(222, 64,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8209, 0.5272, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 64, 83) }
```

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

```
.background{ background-color: rgb(222, 64,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor