

Converting Colors

$Y_{xy}(18.8250, 0.4993, 0.3089)$

Have a look what the booklet for
Yxy(18.8250, 0.4993, 0.3089)
contains.

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Color

Yxy(18.8000, 0.4991, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	D1475A
RGB	209, 71, 90
RGB Percent	82%, 28%, 35%
CMY	0.1804, 0.7216, 0.6470
CMYK	0.00, 0.66, 0.57, 0.18
HSL	352°, 60%, 55%
HSV	352°, 66%, 82%
XYZ	30.3955, 18.8000, 11.7051
YIQ	114.4280, 76.1490, 35.1650

Conversions

Conversions Part 2

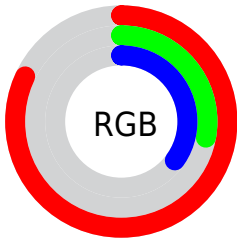
Format	Color
RYB	209, 71, 90
Decimal	13715290
CIELab	50.45, 55.49, 19.48
CIElCh	50, 58.808, 19.340
Yxy	18.8000, 0.4991, 0.3087
Android (android.graphics.Color)	4291905370 (0xFFD1475A)
YUV	114.4280, -12.0430, 82.9396
Hunter-Lab	43.3590, 49.2537, 14.3455

Details

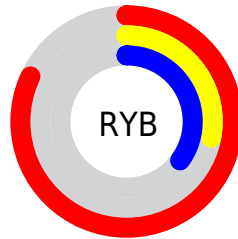
The Yxy color **18.8000, 0.4991, 0.3087** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **50.6603, 0.2443, 0.3567**, and the grayscale version is **16.9830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3322, 0.4416, 0.3161**, and **6.4854, 0.5705, 0.2916** is the 20% darker color. If you saturate the color by 10%, you get **16.3137, 0.5429, 0.3096**, and if you desaturate by 10%, it is **22.2766, 0.4567, 0.3100**.

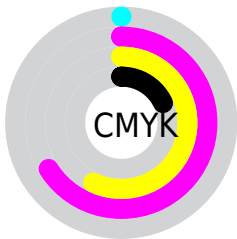
Distribution



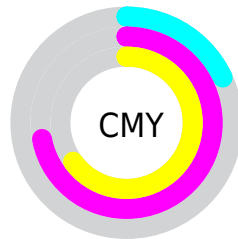
- Red (82%)
- Green (28%)
- Blue (35%)



- Red (82%)
- Yellow (28%)
- Blue (35%)



- Cyan (0%)
- Magenta (66%)
- Yellow (57%)
- Black (18%)




- Cyan (18%)
- Magenta (72%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8000, 0.4991, 0.3087 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 18.8000, 0.4991, 0.3087 by changing the saturation by 10% instead.


 18.8000, 0.4991,
0.3087


 18.8000, 0.4991,
0.3087


245.3424, 0.3919,
0.3253


 11.5259, 0.5306,
0.3014


 41.3959, 0.4566,
0.3168


 6.4217, 0.5736,
0.2897


 57.4864, 0.4417,
0.3191


 3.1032, 0.6343,
0.2693

 77.2845, 0.4296,
0.3209

 1.1858, 0.7575,
0.2425

 101.1745, 0.4195,
0.3222

 0.0501, 0.9684,
0.0316

 129.5410, 0.4109,
0.3232

 0.0000, 1.0000,
0.0000

162.7682, 0.4037,

 0.0000, 0.0000,

0.3241

0.0000

201.2405, 0.3974,
0.3247

■ 18.8000, 0.4991,
0.3087

■ 18.8000, 0.4991,
0.3087

■ 16.3137, 0.5429,
0.3096

■ 22.2766, 0.4567,
0.3100

■ 14.7109, 0.5831,
0.3130

■ 26.8297, 0.4189,
0.3126

■ 13.8635, 0.6139,
0.3187

■ 32.5397, 0.3868,
0.3160

■ 13.6440, 0.6232,
0.3207

■ 39.4784, 0.3603,
0.3198

■ 47.7118, 0.3388,
0.3235

■ 57.3012, 0.3215,
0.3270

■ 68.3040, 0.3075,
0.3303

■ 80.7743, 0.2963,
0.3333

■ 92.1170, 0.2869,
0.3318

Harmonies

Analogous

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



18.8000, 0.4044, 0.2452



18.8000, 0.4991, 0.3087



18.8000, 0.5261, 0.3798

Triad

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



18.8000, 0.4991, 0.3087



18.8000, 0.3021, 0.5283



18.8000, 0.1524, 0.1801

Complementary

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



18.8000, 0.4991, 0.3087



50.6603, 0.2443, 0.3567

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.



18.8000, 0.1361, 0.2204



18.8000, 0.4991, 0.3087



18.8000, 0.2110, 0.4366

Square

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



18.8000, 0.4991, 0.3087



18.8000, 0.4010, 0.5212



18.8000, 0.1537, 0.3085



18.8000, 0.2025, 0.1749

Rectangle

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



18.8000, 0.4991, 0.3087



18.8000, 0.5042, 0.4301



18.8000, 0.1537, 0.3085



18.8000, 0.1434, 0.1890

Sweetspot

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



18.8011, 0.4991, 0.3087



69.1505, 0.3473, 0.3219



19.8401, 0.2962, 0.1699



14.0234, 0.3534, 0.3209



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.



18.8011, 0.4991, 0.3087



24.4556, 0.5593, 0.3106



27.2765, 0.4813, 0.3854



11.8344, 0.3269, 0.3258



8.4205, 0.6207, 0.3193



0.4796, 0.5780, 0.2958

Inverse Universe

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



18.8011, 0.4991, 0.3087



24.4556, 0.5593, 0.3106



31.3295, 0.2177, 0.2545



11.8344, 0.3269, 0.3258



8.4205, 0.6207, 0.3193



0.4796, 0.5780, 0.2958

Previews

White Background



This preview shows how the Yxy color 18.8000, 0.4991, 0.3087 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 18.8000, 0.4991, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

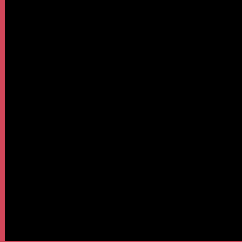
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8000, 0.4991, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 18.8000, 0.4991, 0.3087.



This preview shows how white text looks on a background with the Yxy color 18.8000, 0.4991, 0.3087.

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

18.8000, 0.4991, 0.3087

Protanopia

18.9852, 0.3273, 0.3423

Deuteranopia

18.8153, 0.3932, 0.3855



Tritanopia

18.7250, 0.5155, 0.3243

Trichromacy



Original Color

18.8000, 0.4991, 0.3087

Protanomaly

17.5906, 0.3873, 0.3242

Deuteranomaly

17.9204, 0.4345, 0.3493

Tritanomaly

18.6538, 0.5102, 0.3188

Monochromacy



Original Color

18.8000, 0.4991, 0.3087

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.1448, 0.3793, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8000, 0.4991, 0.3087 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(209, 71, 90)` looks like.

```
.text, #text, p{  
    color:rgb(209, 71, 90)  
}
```

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(209, 71, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 71, 90) }
```

Border

The CSS property to change the border of an element to Yxy 18.8000, 0.4991, 0.3087 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(209, 71, 90) }
```

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

```
.border{ border-color:rgb(209, 71, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 71, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 71, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 71, 90);  
box-shadow:4px 4px 4px 4px rgb(209, 71,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8000, 0.4991, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 71, 90) }
```

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

```
.background{ background-color: rgb(209, 71,  
90) }
```

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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