

# Converting Colors

$Yxy(17.3224, 0.5137, 0.2911)$

Have a look what the booklet for  
Yxy(17.3224, 0.5137, 0.2911)  
contains.

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**Color**

**Yxy(17.2691, 0.5136, 0.2907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5335B
RGB	213, 51, 91
RGB Percent	84%, 20%, 36%
CMY	0.1648, 0.7999, 0.6431
CMYK	0.00, 0.76, 0.57, 0.16
HSL	345°, 66%, 52%
HSV	345°, 76%, 84%
XYZ	30.5105, 17.2691, 11.6256
YIQ	103.9980, 83.7120, 46.7840

# Conversions

## Conversions Part 2

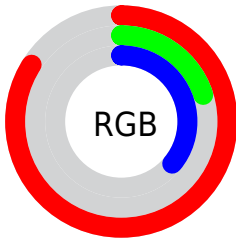
Format	Color
<a href="#">RYB</a>	<a href="#">213, 51, 91</a>
Decimal	<a href="#">13972315</a>
CIELab	<a href="#">48.60, 63.92, 16.49</a>
CIElCh	<a href="#">49, 66.010, 14.469</a>
Yxy	<a href="#">17.2691, 0.5136, 0.2907</a>
Android (android.graphics.Color)	<a href="#">4292162395</a> ( <a href="#">0xFFD5335B</a> )
YUV	<a href="#">103.9980, -6.4080, 95.5948</a>
Hunter-Lab	<a href="#">41.5561, 58.3317, 12.5025</a>

# Details

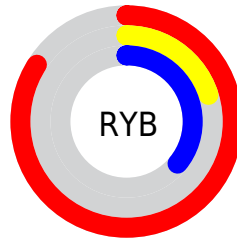
The Yxy color **17.2691, 0.5136, 0.2907** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **51.3040, 0.2483, 0.3895**, and the grayscale version is **13.8475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5520, 0.4482, 0.2993**, and **6.8727, 0.5716, 0.2922** is the 20% darker color. If you saturate the color by 10%, you get **15.5669, 0.5518, 0.2946**, and if you desaturate by 10%, it is **19.8843, 0.4744, 0.2908**.

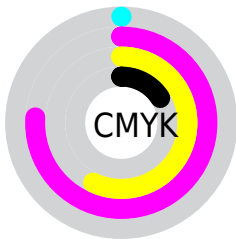
# Distribution



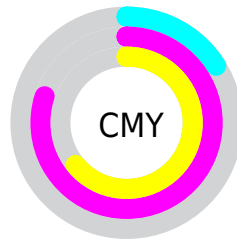
- Red (84%)
- Green (20%)
- Blue (36%)



- Red (84%)
- Yellow (20%)
- Blue (36%)



- Cyan (0%)
- Magenta (76%)
- Yellow (57%)
- Black (16%)




- Cyan (16%)
- Magenta (80%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2691, 0.5136, 0.2907 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 17.2691, 0.5136, 0.2907 by changing the saturation by 10% instead.





 17.2691, 0.5136,  
0.2907


 17.2691, 0.5136,  
0.2907


236.7184, 0.3972,  
0.3175


 10.4265, 0.5482,  
0.2805


 38.7879, 0.4672,  
0.3028


 5.6827, 0.5955,  
0.2648

 54.2329, 0.4510,  
0.3066


 2.6531, 0.6624,  
0.2390

 73.3142, 0.4378,  
0.3095

 0.9534, 0.7965,  
0.2035

 96.4161, 0.4269,  
0.3118

 0.0000, 1.0000,  
0.0000

 123.9231, 0.4177,  
0.3136

 0.0000, 0.0000,  
0.0000

156.2195, 0.4098,

0.3151

193.6898, 0.4031,  
0.3164

■ 17.2691, 0.5136,  
0.2907

■ 17.2691, 0.5136,  
0.2907

■ 15.5669, 0.5518,  
0.2946

■ 19.8843, 0.4744,  
0.2908

■ 14.6424, 0.5848,  
0.3024


■ 23.5160, 0.4375,  
0.2941


■ 14.3974, 0.5962,  
0.3058


■ 28.2570, 0.4050,  
0.2993

■ 34.1886, 0.3773,  
0.3057

■ 41.3844, 0.3544,  
0.3124

 49.9123, 0.3357,  
0.3190

 59.8351, 0.3205,  
0.3254

 71.2117, 0.3081,  
0.3313

 84.0975, 0.2981,  
0.3367

# Harmonies

## Analogous

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



17.2691, 0.3954, 0.2244



17.2691, 0.5136, 0.2907



17.2691, 0.5550, 0.3654

# Triad

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



17.2691, 0.5136, 0.2907



17.2691, 0.3131, 0.5680



17.2691, 0.1301, 0.1666

# Complementary

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



17.2691, 0.5136, 0.2907



51.3040, 0.2483, 0.3895

# 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.



17.2691, 0.1177, 0.2159



17.2691, 0.5136, 0.2907



17.2691, 0.2094, 0.4796

# Square

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



17.2691, 0.5136, 0.2907



17.2691, 0.4219, 0.5332



17.2691, 0.1410, 0.3244



17.2691, 0.1772, 0.1569



# Rectangle

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



17.2691, 0.5136, 0.2907



17.2691, 0.5342, 0.4198



17.2691, 0.1410, 0.3244



17.2691, 0.1223, 0.1778

# Sweetspot

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



17.2701, 0.5136, 0.2907



65.5925, 0.3488, 0.3142



16.0009, 0.2737, 0.1445



13.1022, 0.3562, 0.3118



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.



17.2701, 0.5136, 0.2907



22.4535, 0.5722, 0.2987



21.9549, 0.5351, 0.3692



12.4706, 0.3253, 0.3233



8.8095, 0.5926, 0.3038



0.5447, 0.5428, 0.2764



# Inverse Universe

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



17.2701, 0.5136, 0.2907



22.4535, 0.5722, 0.2987



35.2031, 0.2143, 0.2673



12.4706, 0.3253, 0.3233



8.8095, 0.5926, 0.3038

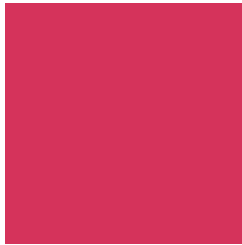


0.5447, 0.5428, 0.2764



# Previews

## White Background



This preview shows how the Yxy color 17.2691, 0.5136, 0.2907 looks on a white 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



# Black Background



This preview shows how the Yxy color 17.2691, 0.5136, 0.2907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

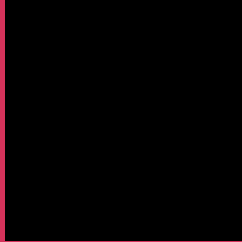
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 17.2691, 0.5136, 0.2907**

## **Background**



This preview shows how black text looks on a background with the Yxy color 17.2691, 0.5136, 0.2907.



This preview shows how white text looks on a background with the Yxy color 17.2691, 0.5136, 0.2907.

# 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

17.2691, 0.5136, 0.2907

### Protanopia

17.4485, 0.3070, 0.3154

### Deuteranopia

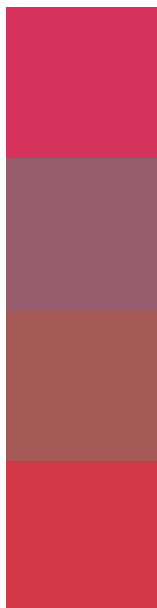
17.3967, 0.3876, 0.3804



## Tritanopia

17.3494, 0.5573, 0.3280

# Trichromacy



## Original Color

17.2691, 0.5136, 0.2907

## Protanomaly

15.4774, 0.3770, 0.2970

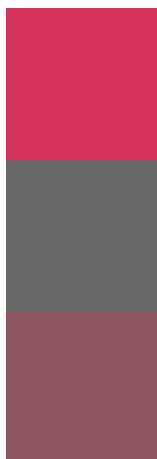
## Deuteranomaly

15.8160, 0.4387, 0.3340

## Tritanomaly

17.1844, 0.5436, 0.3150

# Monochromacy



## Original Color

17.2691, 0.5136, 0.2907

## Achromatopsia

13.8432, 0.3127, 0.3290

## Achromatomaly

13.3271, 0.3881, 0.3042

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.2691, 0.5136, 0.2907 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(213, 51, 91)` looks like.

```
.text, #text, p{  
    color:rgb(213, 51, 91)  
}
```

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(213, 51, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 51, 91) }
```

## Border

The CSS property to change the border of an element to Yxy 17.2691, 0.5136, 0.2907 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(213, 51, 91) }
```

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

```
.border{ border-color:rgb(213, 51, 91) }
```

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

Here you see how a box with a 4 pixel rgb(213, 51, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 51, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 51, 91);  
box-shadow:4px 4px 4px 4px rgb(213, 51,  
91) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.2691, 0.5136, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 51, 91) }
```

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

```
.background{ background-color: rgb(213, 51,  
91) }
```

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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