

# Converting Colors

$Yxy(18.8737, 0.5266, 0.3020)$

Have a look what the booklet for  
Yxy(18.8737, 0.5266, 0.3020)  
contains.

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**Color**

**Yxy(18.8724, 0.5266, 0.3020)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD3856
RGB	221, 56, 86
RGB Percent	87%, 22%, 34%
CMY	0.1334, 0.7802, 0.6628
CMYK	0.00, 0.75, 0.61, 0.13
HSL	349°, 71%, 54%
HSV	349°, 75%, 87%
XYZ	32.9080, 18.8724, 10.7110
YIQ	108.7550, 88.7100, 44.3100

# Conversions

## Conversions Part 2

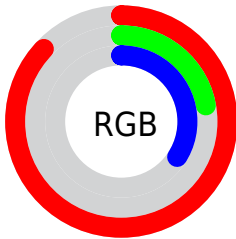
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">221, 56, 86</a>
Decimal	<a href="#">14497878</a>
CIELab	<a href="#">50.54, 64.29, 22.39</a>
CIElCh	<a href="#">51, 68.083, 19.204</a>
Yxy	<a href="#">18.8724, 0.5266, 0.3020</a>
Android (android.graphics.Color)	<a href="#">4292687958 (0xFFDD3856)</a>
YUV	<a href="#">108.7550, -11.2182, 98.4389</a>
Hunter-Lab	<a href="#">43.4424, 59.1911, 15.7913</a>

# Details

The Yxy color **18.8724, 0.5266, 0.3020** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark muted red. A complement of this color would be **56.3071, 0.2436, 0.3718**, and the grayscale version is **15.2390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5001, 0.4533, 0.3103**, and **7.5310, 0.5878, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **16.9262, 0.5671, 0.3054**, and if you desaturate by 10%, it is **21.8392, 0.4843, 0.3018**.

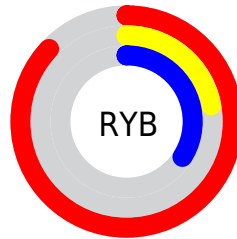
# Distribution



Red (87%)

Green (22%)

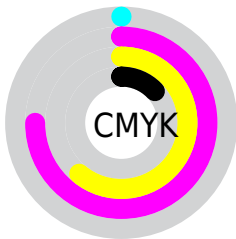
Blue (34%)



Red (87%)

Yellow (22%)

Blue (34%)

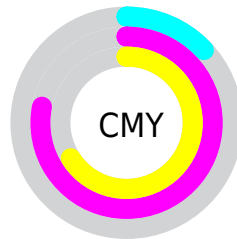


Cyan (0%)

Magenta (75%)

Yellow (61%)

Black (13%)



Cyan (13%)

Magenta (78%)


Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8724, 0.5266, 0.3020 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 18.8724, 0.5266, 0.3020 by changing the saturation by 10% instead.





 18.8724, 0.5266,  
0.3020


 18.8724, 0.5266,  
0.3020


245.7434, 0.4044,  
0.3238


 11.5781, 0.5616,  
0.2927


 41.5184, 0.4786,  
0.3125


 6.4571, 0.6085,  
0.2780


 57.6389, 0.4616,  
0.3156


 3.1250, 0.6728,  
0.2534

 77.4702, 0.4477,  
0.3179

 1.1973, 0.7837,  
0.2163

 101.3968, 0.4361,  
0.3197

 0.0595, 0.9695,  
0.0305

 129.8030, 0.4263,  
0.3211

 0.0000, 1.0000,  
0.0000

163.0732, 0.4179,

 0.0000, 0.0000,

0.3222

0.0000

201.5919, 0.4107,  
0.3231

■ 18.8724, 0.5266,  
0.3020

■ 18.8724, 0.5266,  
0.3020

■ 16.9262, 0.5671,  
0.3054

■ 21.8392, 0.4843,  
0.3018

■ 15.8570, 0.6004,  
0.3120


■ 25.9389, 0.4443,  
0.3040


■ 15.5230, 0.6145,  
0.3159


■ 31.2724, 0.4091,  
0.3078

■ 37.9285, 0.3794,  
0.3125

■ 45.9878, 0.3550,  
0.3174

 55.5245, 0.3351,  
0.3223

 66.6075, 0.3191,  
0.3270

 79.3015, 0.3061,  
0.3313

 93.6673, 0.2956,  
0.3352

# Harmonies

## Analogous

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



18.8724, 0.4168, 0.2338



18.8724, 0.5266, 0.3020



18.8724, 0.5535, 0.3778

# Triad

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



18.8724, 0.5266, 0.3020



18.8724, 0.2956, 0.5635



18.8724, 0.1349, 0.1626

# Complementary

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



18.8724, 0.5266, 0.3020



56.3071, 0.2436, 0.3718

# 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.



18.8724, 0.1173, 0.2046



18.8724, 0.5266, 0.3020



18.8724, 0.1954, 0.4560

# Square

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



18.8724, 0.5266, 0.3020



18.8724, 0.4054, 0.5443



18.8724, 0.1344, 0.3028



18.8724, 0.1882, 0.1580



# Rectangle

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



18.8724, 0.5266, 0.3020



18.8724, 0.5250, 0.4333



18.8724, 0.1344, 0.3028



18.8724, 0.1253, 0.1718

# Sweetspot

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



18.8735, 0.5266, 0.3020



66.6686, 0.3497, 0.3187



19.0950, 0.2867, 0.1526



13.5456, 0.3556, 0.3173



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.



18.8735, 0.5266, 0.3020



22.3841, 0.5885, 0.3091



26.4381, 0.5182, 0.3814



13.0899, 0.3263, 0.3248



9.0314, 0.6112, 0.3141



0.5968, 0.5676, 0.2900



# Inverse Universe

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



18.8735, 0.5266, 0.3020



22.3841, 0.5885, 0.3091



34.3446, 0.2109, 0.2513



13.0899, 0.3263, 0.3248



9.0314, 0.6112, 0.3141



0.5968, 0.5676, 0.2900



# Previews

## White Background



This preview shows how the Yxy color 18.8724, 0.5266, 0.3020 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 18.8724, 0.5266, 0.3020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

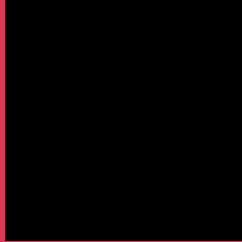
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.8724, 0.5266, 0.3020**

## Background



This preview shows how black text looks on a background with the Yxy color 18.8724, 0.5266, 0.3020.

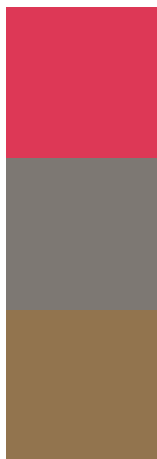


This preview shows how white text looks on a background with the Yxy color 18.8724, 0.5266, 0.3020.

# 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

18.8724, 0.5266, 0.3020

### Protanopia

19.0307, 0.3249, 0.3384

### Deuteranopia

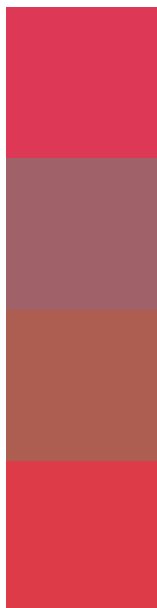
19.1518, 0.4015, 0.3948



## Tritanopia

18.9120, 0.5564, 0.3280

# Trichromacy



## Original Color

18.8724, 0.5266, 0.3020

## Protanomaly

17.0224, 0.3972, 0.3179

## Deuteranomaly

17.4837, 0.4529, 0.3485

## Tritanomaly

18.7985, 0.5469, 0.3191

# Monochromacy



## Original Color

18.8724, 0.5266, 0.3020

## Achromatopsia

15.2926, 0.3127, 0.3290

## Achromatomaly

14.7359, 0.3913, 0.3103

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.8724, 0.5266, 0.3020 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, 56, 86)` looks like.

```
.text, #text, p{  
    color:rgb(221, 56, 86)  
}
```

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, 56, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 56, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 18.8724, 0.5266, 0.3020 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, 56, 86) }
```

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

```
.border{ border-color:rgb(221, 56, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 56, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 56, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 56, 86);  
box-shadow:4px 4px 4px 4px rgb(221, 56,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.8724, 0.5266, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 56, 86) }
```

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

```
.background{ background-color: rgb(221, 56,  
86) }
```

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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