

Converting Colors

$Y_{xy}(15.6400, 0.5065, 0.2972)$

Have a look what the booklet for
Yxy(15.6400, 0.5065, 0.2972)
contains.

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Color

Yxy(15.6423, 0.5056, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	C73856
RGB	199, 56, 86
RGB Percent	78%, 22%, 34%
CMY	0.2196, 0.7804, 0.6628
CMYK	0.00, 0.72, 0.57, 0.22
HSL	347°, 56%, 50%
HSV	347°, 72%, 78%
XYZ	26.6467, 15.6423, 10.4141
YIQ	102.1770, 75.5980, 39.6460

Conversions

Conversions Part 2

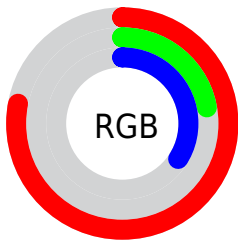
Format	Color
R_{YB}	199, 56, 86
Decimal	13056086
CIE Lab	46.50, 57.84, 16.30
CIE LCh	47, 60.093, 15.736
Yxy	15.6423, 0.5056, 0.2968
Android (android.graphics.Color)	4291246166 (0xFFC73856)
YUV	102.1770, -7.9753, 84.9138
Hunter-Lab	39.5503, 51.0498, 12.0734

Details

The Yxy color **15.6423, 0.5056, 0.2968** 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 **44.5545, 0.2468, 0.3763**, and the grayscale version is **13.3430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8195, 0.4548, 0.3074**, and **5.6491, 0.5723, 0.2927** is the 20% darker color. If you saturate the color by 10%, you get **13.8561, 0.5461, 0.2990**, and if you desaturate by 10%, it is **18.2524, 0.4653, 0.2978**.

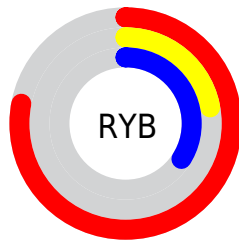
Distribution



Red (78%)

Green (22%)

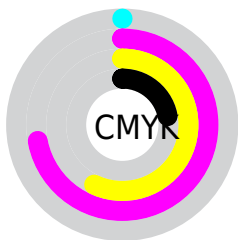
Blue (34%)



Red (78%)

Yellow (22%)

Blue (34%)

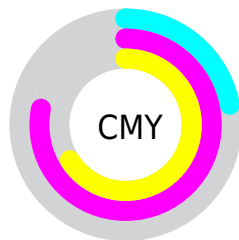


Cyan (0%)

Magenta (72%)

Yellow (57%)

Black (22%)



Cyan (22%)


Magenta (78%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6423, 0.5056, 0.2968 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 15.6423, 0.5056, 0.2968 by changing the saturation by 10% instead.


 15.6423, 0.5056,
0.2968


 15.6423, 0.5056,
0.2968


227.2217, 0.3920,
0.3202

 9.2714, 0.5404,
0.2872


 35.9761, 0.4597,
0.3077


 4.9186, 0.5888,
0.2720

 50.7078, 0.4439,
0.3110

 2.1996, 0.6591,
0.2459

 68.9952, 0.4311,
0.3135

 0.7198, 0.7968,
0.2032

 91.2227, 0.4205,
0.3155

 0.0000, 1.0000,
0.0000

 117.7747, 0.4116,
0.3171

 0.0000, 0.0000,
0.0000

149.0356, 0.4041,

0.3183

185.3898, 0.3976,
0.3194

■ 15.6423, 0.5056,
0.2968

■ 15.6423, 0.5056,
0.2968

■ 13.8561, 0.5461,
0.2990

■ 18.2524, 0.4653,
0.2978

■ 12.7904, 0.5822,
0.3049

■ 21.7682, 0.4284,
0.3013


■ 12.3074, 0.6060,
0.3112


■ 26.2646, 0.3964,
0.3061


■ 31.8078, 0.3695,
0.3116

■ 38.4585, 0.3475,
0.3173

 46.2724, 0.3296,
0.3229

 55.3016, 0.3151,
0.3281

 65.5951, 0.3033,
0.3329

 77.1991, 0.2938,
0.3373

Harmonies

Analogous

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



15.6423, 0.3965, 0.2319



15.6423, 0.5056, 0.2968



15.6423, 0.5428, 0.3700

Triad

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



15.6423, 0.5056, 0.2968



15.6423, 0.3112, 0.5519



15.6423, 0.1387, 0.1729

Complementary

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



15.6423, 0.5056, 0.2968



44.5545, 0.2468, 0.3763

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.



15.6423, 0.1256, 0.2195



15.6423, 0.5056, 0.2968



15.6423, 0.2122, 0.4637

Square

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



15.6423, 0.5056, 0.2968



15.6423, 0.4156, 0.5273



15.6423, 0.1475, 0.3203



15.6423, 0.1863, 0.1643

Rectangle

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



15.6423, 0.5056, 0.2968



15.6423, 0.5226, 0.4227



15.6423, 0.1475, 0.3203



15.6423, 0.1307, 0.1835

Sweetspot

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



15.6432, 0.5056, 0.2968



66.7468, 0.3484, 0.3171



15.2800, 0.2825, 0.1549



13.5637, 0.3541, 0.3155



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.



15.6432, 0.5056, 0.2968



23.1077, 0.5664, 0.3018



20.8897, 0.5120, 0.3753



10.6727, 0.3257, 0.3242



7.9243, 0.6029, 0.3095



0.3861, 0.5440, 0.2770

Inverse Universe

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



15.6432, 0.5056, 0.2968



23.1077, 0.5664, 0.3018



29.5850, 0.2159, 0.2634



10.6727, 0.3257, 0.3242



7.9243, 0.6029, 0.3095



0.3861, 0.5440, 0.2770

Previews

White Background



This preview shows how the Yxy color 15.6423, 0.5056, 0.2968 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 15.6423, 0.5056, 0.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

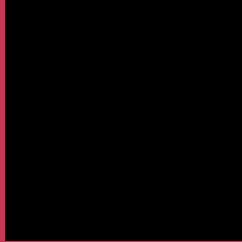
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6423, 0.5056, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 15.6423, 0.5056, 0.2968.



This preview shows how white text looks on a background with the Yxy color 15.6423, 0.5056, 0.2968.

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

15.6423, 0.5056, 0.2968

Protanopia

15.8324, 0.3142, 0.3250

Deuteranopia

15.7781, 0.3879, 0.3806



Tritanopia

15.7134, 0.5379, 0.3266

Trichromacy



Original Color

15.6423, 0.5056, 0.2968

Protanomaly

14.2209, 0.3788, 0.3060

Deuteranomaly

14.6566, 0.4334, 0.3392

Tritanomaly

15.6016, 0.5268, 0.3159

Monochromacy



Original Color

15.6423, 0.5056, 0.2968

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.6599, 0.3822, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6423, 0.5056, 0.2968 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(199, 56, 86)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 56, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 56, 86) }
```

Border

The CSS property to change the border of an element to Yxy 15.6423, 0.5056, 0.2968 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(199, 56, 86) }
```

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

```
.border{ border-color:rgb(199, 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(199, 56, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 56, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 56, 86);  
box-shadow:4px 4px 4px 4px rgb(199, 56,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6423, 0.5056, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 56, 86) }
```

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

```
.background{ background-color: rgb(199, 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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