

Converting Colors

$Y_{xy}(15.7382, 0.5570, 0.3166)$

Have a look what the booklet for
Yxy(15.7382, 0.5570, 0.3166)
contains.

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Color

Yxy(15.7382, 0.5570, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	CF303F
RGB	207, 48, 63
RGB Percent	81%, 19%, 25%
CMY	0.1882, 0.8118, 0.7529
CMYK	0.00, 0.77, 0.70, 0.19
HSL	354°, 62%, 50%
HSV	354°, 77%, 81%
XYZ	27.6885, 15.7382, 6.2833
YIQ	97.2510, 89.9490, 38.3730

Conversions

Conversions Part 2

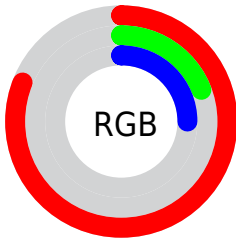
Format	Color
R_{YB}	207, 48, 63
Decimal	13578303
CIE _{Lab}	46.63, 61.50, 30.69
CIE _{LCh}	47, 68.735, 26.523
Yxy	15.7382, 0.5570, 0.3166
Android (android.graphics.Color)	4291768383 (0xFFCF303F)
YUV	97.2510, -16.8857, 96.2499
Hunter-Lab	39.6714, 55.1584, 18.3793

Details

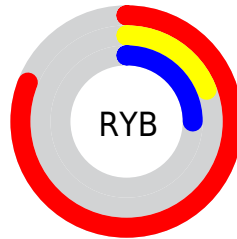
The Yxy color **15.7382, 0.5570, 0.3166** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **49.0631, 0.2366, 0.3512**, and the grayscale version is **12.0448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1328, 0.4877, 0.3267**, and **6.0739, 0.6170, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **14.2479, 0.5963, 0.3195**, and if you desaturate by 10%, it is **18.0911, 0.5121, 0.3156**.

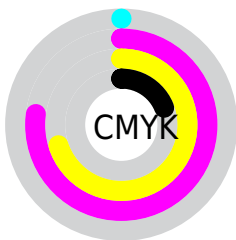
Distribution



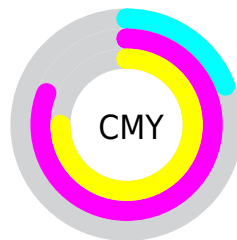
- Red (81%)
- Green (19%)
- Blue (25%)



- Red (81%)
- Yellow (19%)
- Blue (25%)



- Cyan (0%)
- Magenta (77%)
- Yellow (70%)
- Black (19%)




- Cyan (19%)
- Magenta (81%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7382, 0.5570, 0.3166 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 15.7382, 0.5570, 0.3166 by changing the saturation by 10% instead.


 15.7382, 0.5570,
0.3166


 15.7382, 0.5570,
0.3166


227.7919, 0.4152,
0.3341


 9.3391, 0.5974,
0.3060


 36.1431, 0.5011,
0.3270


 4.9630, 0.6503,
0.2878

 50.9177, 0.4814,
0.3295

 2.2256, 0.7384,
0.2616

 69.2529, 0.4652,
0.3312

 0.7339, 0.8065,
0.1935

 91.5331, 0.4517,
0.3323

 0.0000, 1.0000,
0.0000

 118.1427, 0.4404,
0.3331

 0.0000, 0.0000,
0.0000

 149.4661, 0.4308,

0.3336

185.8877, 0.4224,
0.3339

■ 15.7382, 0.5570,
0.3166

■ 15.7382, 0.5570,
0.3166

■ 14.2479, 0.5963,
0.3195

■ 18.0911, 0.5121,
0.3156

■ 13.4822, 0.6239,
0.3237


■ 21.4075, 0.4676,
0.3161


■ 13.3155, 0.6303,
0.3246


■ 25.7775, 0.4273,
0.3178


■ 31.2799, 0.3930,
0.3200

■ 37.9863, 0.3646,
0.3225

 45.9621, 0.3416,
0.3250

 55.2682, 0.3232,
0.3274

 65.9613, 0.3083,
0.3297

 78.0951, 0.2964,
0.3318

Harmonies

Analogous

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



15.7382, 0.4579, 0.2442



15.7382, 0.5570, 0.3166



15.7382, 0.5590, 0.3965

Triad

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



15.7382, 0.5570, 0.3166



15.7382, 0.2636, 0.5676



15.7382, 0.1360, 0.1499

Complementary

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



15.7382, 0.5570, 0.3166



49.0631, 0.2366, 0.3512

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.



15.7382, 0.1095, 0.1815



15.7382, 0.5570, 0.3166



15.7382, 0.1670, 0.4234

Square

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



15.7382, 0.5570, 0.3166



15.7382, 0.3784, 0.5719



15.7382, 0.1169, 0.2671



15.7382, 0.2013, 0.1533

Rectangle

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



15.7382, 0.5570, 0.3166



15.7382, 0.5159, 0.4566



15.7382, 0.1169, 0.2671



15.7382, 0.1234, 0.1560

Sweetspot

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



15.7391, 0.5570, 0.3166



65.1570, 0.3559, 0.3234



17.7091, 0.3015, 0.1578



12.9996, 0.3649, 0.3225



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.



15.7391, 0.5570, 0.3166



21.9458, 0.6153, 0.3221



24.9803, 0.5088, 0.3970



11.8261, 0.3276, 0.3268



8.3949, 0.6284, 0.3235



0.4758, 0.5958, 0.3056

Inverse Universe

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



15.7391, 0.5570, 0.3166



21.9458, 0.6153, 0.3221



24.8998, 0.2035, 0.2265



11.8261, 0.3276, 0.3268



8.3949, 0.6284, 0.3235



0.4758, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 15.7382, 0.5570, 0.3166 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 15.7382, 0.5570, 0.3166 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 15.7382, 0.5570, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 15.7382, 0.5570, 0.3166.



This preview shows how white text looks on a background with the Yxy color 15.7382, 0.5570, 0.3166.

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

15.7382, 0.5570, 0.3166

Protanopia

15.9627, 0.3562, 0.3798

Deuteranopia

15.8928, 0.4276, 0.4212



Tritanopia

15.7856, 0.5725, 0.3290

Trichromacy



Original Color

15.7382, 0.5570, 0.3166

Protanomaly

14.1088, 0.4327, 0.3463

Deuteranomaly

14.4738, 0.4839, 0.3708

Tritanomaly

15.7379, 0.5679, 0.3248

Monochromacy



Original Color

15.7382, 0.5570, 0.3166

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5662, 0.4056, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7382, 0.5570, 0.3166 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(207, 48, 63)` looks like.

```
.text, #text, p{  
    color:rgb(207, 48, 63)  
}
```

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(207, 48, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 48, 63) }
```

Border

The CSS property to change the border of an element to Yxy 15.7382, 0.5570, 0.3166 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(207, 48, 63) }
```

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

```
.border{ border-color:rgb(207, 48, 63) }
```

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

Here you see how a box with a 4 pixel rgb(207, 48, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 48, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 48, 63);  
box-shadow:4px 4px 4px 4px rgb(207, 48,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7382, 0.5570, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 48, 63) }
```

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

```
.background{ background-color: rgb(207, 48,  
63) }
```

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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