

Converting Colors

$Y_{xy}(15.6506, 0.5607, 0.3154)$

Have a look what the booklet for
Yxy(15.6506, 0.5607, 0.3154)
contains.

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Color

Yxy(15.6345, 0.5613, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	D02D3E
RGB	208, 45, 62
RGB Percent	82%, 18%, 24%
CMY	0.1843, 0.8236, 0.7568
CMYK	0.00, 0.78, 0.70, 0.18
HSL	354°, 64%, 50%
HSV	354°, 78%, 82%
XYZ	27.8239, 15.6345, 6.1120
YIQ	95.6750, 91.6910, 39.8430

Conversions

Conversions Part 2

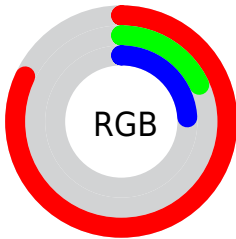
Format	Color
RYB	208, 45, 62
Decimal	13643070
CIELab	46.49, 62.63, 31.17
CIELCh	46, 69.960, 26.454
Yxy	15.6345, 0.5613, 0.3154
Android (android.graphics.Color)	4291833150 (0xFFD02D3E)
YUV	95.6750, -16.6018, 98.5090
Hunter-Lab	39.5405, 56.4111, 18.5135

Details

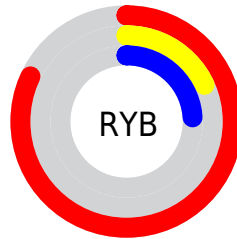
The Yxy color **15.6345, 0.5613, 0.3154** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **49.4364, 0.2368, 0.3542**, and the grayscale version is **11.6376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6939, 0.4903, 0.3257**, and **6.0702, 0.6185, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **14.2500, 0.5993, 0.3188**, and if you desaturate by 10%, it is **17.8720, 0.5170, 0.3140**.

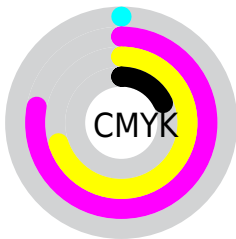
Distribution



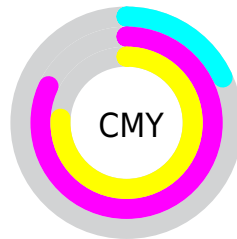
- Red (82%)
- Green (18%)
- Blue (24%)



- Red (82%)
- Yellow (18%)
- Blue (24%)



- Cyan (0%)
- Magenta (78%)
- Yellow (70%)
- Black (18%)



- Cyan (18%)
- Magenta (82%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6345, 0.5613, 0.3154 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 15.6345, 0.5613, 0.3154 by changing the saturation by 10% instead.


 15.6345, 0.5613,
0.3154

 15.6345, 0.5613,
0.3154


227.1752, 0.4170,
0.3339


 9.2659, 0.6022,
0.3044


 35.9625, 0.5046,
0.3263


 4.9150, 0.6556,
0.2854


 50.6907, 0.4844,
0.3290

 2.1975, 0.7423,
0.2577

 68.9742, 0.4680,
0.3308

 0.7186, 0.8113,
0.1887

 91.1974, 0.4543,
0.3320

 0.0000, 1.0000,
0.0000

 117.7447, 0.4428,
0.3328

 0.0000, 0.0000,
0.0000

 149.0005, 0.4329,

0.3333

185.3492, 0.4244,
0.3337

■ 15.6345, 0.5613,
0.3154

■ 15.6345, 0.5613,
0.3154

■ 14.2500, 0.5993,
0.3188

■ 17.8720, 0.5170,
0.3140

■ 13.5545, 0.6256,
0.3233


■ 21.0676, 0.4725,
0.3145


■ 13.4688, 0.6289,
0.3238


■ 25.3140, 0.4319,
0.3162


■ 30.6922, 0.3970,
0.3186

■ 37.2755, 0.3681,
0.3214

 45.1309, 0.3446,
0.3242

 54.3202, 0.3257,
0.3269

 64.9017, 0.3105,
0.3294

 76.9298, 0.2982,
0.3317

Harmonies

Analogous

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



15.6345, 0.4603, 0.2425



15.6345, 0.5613, 0.3154



15.6345, 0.5626, 0.3958

Triad

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



15.6345, 0.5613, 0.3154



15.6345, 0.2621, 0.5733



15.6345, 0.1335, 0.1475

Complementary

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



15.6345, 0.5613, 0.3154



49.4364, 0.2368, 0.3542

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.



15.6345, 0.1070, 0.1791



15.6345, 0.5613, 0.3154



15.6345, 0.1645, 0.4257

Square

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



15.6345, 0.5613, 0.3154



15.6345, 0.3784, 0.5757



15.6345, 0.1142, 0.2657



15.6345, 0.1992, 0.1509

Rectangle

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



15.6345, 0.5613, 0.3154



15.6345, 0.5184, 0.4568



15.6345, 0.1142, 0.2657



15.6345, 0.1209, 0.1535

Sweetspot

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



15.6354, 0.5613, 0.3154



63.9339, 0.3578, 0.3225



17.2482, 0.2979, 0.1543



12.7669, 0.3668, 0.3215



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.



15.6354, 0.5613, 0.3154



21.7658, 0.6183, 0.3219



24.2166, 0.5171, 0.3938



11.8280, 0.3274, 0.3266



8.4001, 0.6268, 0.3227



0.4767, 0.5915, 0.3032

Inverse Universe

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



15.6354, 0.5613, 0.3154



21.7658, 0.6183, 0.3219



25.5219, 0.2031, 0.2287



11.8280, 0.3274, 0.3266



8.4001, 0.6268, 0.3227



0.4767, 0.5915, 0.3032

Previews

White Background



This preview shows how the Yxy color 15.6345, 0.5613, 0.3154 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 15.6345, 0.5613, 0.3154 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 15.6345, 0.5613, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 15.6345, 0.5613, 0.3154.



This preview shows how white text looks on a background with the Yxy color 15.6345, 0.5613, 0.3154.

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

15.6345, 0.5613, 0.3154

Protanopia

15.8923, 0.3548, 0.3800

Deuteranopia

15.8835, 0.4288, 0.4226



Tritanopia

15.7372, 0.5784, 0.3298

Trichromacy



Original Color

15.6345, 0.5613, 0.3154

Protanomaly

13.9315, 0.4353, 0.3463

Deuteranomaly

14.4127, 0.4878, 0.3703

Tritanomaly

15.7000, 0.5728, 0.3250

Monochromacy



Original Color

15.6345, 0.5613, 0.3154

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.2662, 0.4089, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6345, 0.5613, 0.3154 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(208, 45, 62)` looks like.

```
.text, #text, p{  
    color:rgb(208, 45, 62)  
}
```

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(208, 45, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 45, 62) }
```

Border

The CSS property to change the border of an element to Yxy 15.6345, 0.5613, 0.3154 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(208, 45, 62) }
```

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

```
.border{ border-color:rgb(208, 45, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 45, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 45, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 45, 62);  
box-shadow:4px 4px 4px 4px rgb(208, 45,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6345, 0.5613, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 45, 62) }
```

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

```
.background{ background-color: rgb(208, 45,  
62) }
```

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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