

Converting Colors

$Y_{xy}(15.6409, 0.5509, 0.3079)$

Have a look what the booklet for
Yxy(15.6409, 0.5509, 0.3079)
contains.

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Color

Yxy(15.6409, 0.5509, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	D02C45
RGB	208, 44, 69
RGB Percent	82%, 17%, 27%
CMY	0.1844, 0.8273, 0.7294
CMYK	0.00, 0.79, 0.67, 0.18
HSL	351°, 65%, 49%
HSV	351°, 79%, 82%
XYZ	27.9850, 15.6409, 7.1728
YIQ	95.8860, 89.7190, 42.5430

Conversions

Conversions Part 2

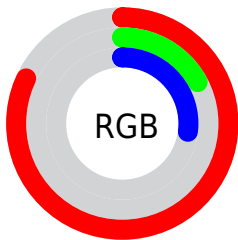
Format	Color
RYB	208, 44, 69
Decimal	13642821
CIELab	46.50, 63.24, 26.98
CIElCh	46, 68.754, 23.108
Yxy	15.6409, 0.5509, 0.3079
Android (android.graphics.Color)	4291832901 (0xFFD02C45)
YUV	95.8860, -13.2548, 98.3240
Hunter-Lab	39.5486, 57.0984, 16.9308

Details

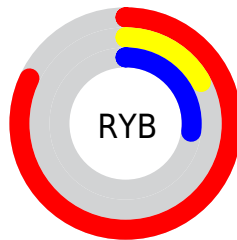
The Yxy color **15.6409, 0.5509, 0.3079** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **49.0631, 0.2402, 0.3667**, and the grayscale version is **11.6884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6475, 0.4821, 0.3180**, and **6.1856, 0.6093, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **14.2727, 0.5891, 0.3123**, and if you desaturate by 10%, it is **17.8518, 0.5079, 0.3064**.

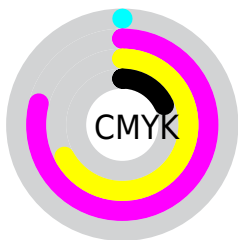
Distribution



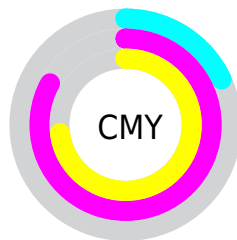
- Red (82%)
- Green (17%)
- Blue (27%)



- Red (82%)
- Yellow (17%)
- Blue (27%)



- Cyan (0%)
- Magenta (79%)
- Yellow (67%)
- Black (18%)




- Cyan (18%)
- Magenta (83%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6409, 0.5509, 0.3079 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 15.6409, 0.5509, 0.3079 by changing the saturation by 10% instead.


 15.6409, 0.5509,
0.3079

 15.6409, 0.5509,
0.3079


227.2133, 0.4120,
0.3291

 9.2704, 0.5912,
0.2970


 35.9737, 0.4958,
0.3193


 4.9180, 0.6448,
0.2787

 50.7047, 0.4764,
0.3223


 2.1992, 0.7352,
0.2530

 68.9914, 0.4607,
0.3244

 0.7196, 0.8129,
0.1871

 91.2181, 0.4476,
0.3260

 0.0000, 1.0000,
0.0000

 117.7693, 0.4365,
0.3271

 0.0000, 0.0000,
0.0000

 149.0293, 0.4271,

0.3280

185.3825, 0.4190,
0.3286

■ 15.6409, 0.5509,
0.3079

■ 15.6409, 0.5509,
0.3079

■ 14.2727, 0.5891,
0.3123

■ 17.8518, 0.5079,
0.3064

■ 13.5752, 0.6175,
0.3185

■ 21.0100, 0.4654,
0.3073

■ 13.5108, 0.6203,
0.3191

■ 25.2079, 0.4268,
0.3099

■ 30.5260, 0.3937,
0.3136

■ 37.0369, 0.3662,
0.3176

■ 44.8071, 0.3438,
0.3217

■ 53.8983, 0.3257,
0.3257

■ 64.3679, 0.3112,
0.3294

■ 76.2701, 0.2994,
0.3328

Harmonies

Analogous

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



15.6409, 0.4424, 0.2364



15.6409, 0.5509, 0.3079



15.6409, 0.5638, 0.3868

Triad

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



15.6409, 0.5509, 0.3079



15.6409, 0.2762, 0.5764



15.6409, 0.1310, 0.1513

Complementary

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



15.6409, 0.5509, 0.3079



49.0631, 0.2402, 0.3667

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.



15.6409, 0.1083, 0.1877



15.6409, 0.5509, 0.3079



15.6409, 0.1756, 0.4439

Square

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



15.6409, 0.5509, 0.3079



15.6409, 0.3914, 0.5652



15.6409, 0.1198, 0.2813



15.6409, 0.1913, 0.1511

Rectangle

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



15.6409, 0.5509, 0.3079



15.6409, 0.5253, 0.4460



15.6409, 0.1198, 0.2813



15.6409, 0.1197, 0.1587

Sweetspot

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



15.6418, 0.5509, 0.3079



64.0719, 0.3555, 0.3195



16.1406, 0.2880, 0.1487



12.7991, 0.3639, 0.3180



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.



15.6418, 0.5509, 0.3079



21.7686, 0.6108, 0.3169



22.4548, 0.5287, 0.3842



11.8372, 0.3267, 0.3255



8.4307, 0.6176, 0.3176



0.4809, 0.5724, 0.2927

Inverse Universe

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



15.6418, 0.5509, 0.3079



21.7686, 0.6108, 0.3169



27.9829, 0.2064, 0.2419



11.8372, 0.3267, 0.3255



8.4307, 0.6176, 0.3176



0.4809, 0.5724, 0.2927

Previews

White Background



This preview shows how the Yxy color 15.6409, 0.5509, 0.3079 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 15.6409, 0.5509, 0.3079 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 15.6409, 0.5509, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 15.6409, 0.5509, 0.3079.



This preview shows how white text looks on a background with the Yxy color 15.6409, 0.5509, 0.3079.

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

15.6409, 0.5509, 0.3079

Protanopia

15.9770, 0.3415, 0.3616

Deuteranopia

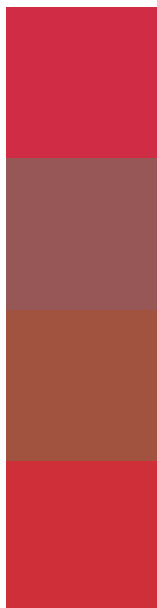
15.8686, 0.4190, 0.4124



Tritanopia

15.6011, 0.5766, 0.3290

Trichromacy



Original Color

15.6409, 0.5509, 0.3079

Protanomaly

13.9723, 0.4185, 0.3310

Deuteranomaly

14.2268, 0.4774, 0.3595

Tritanomaly

15.5840, 0.5680, 0.3223

Monochromacy



Original Color

15.6409, 0.5509, 0.3079

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.2980, 0.4051, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6409, 0.5509, 0.3079 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, 44, 69)` looks like.

```
.text, #text, p{  
    color:rgb(208, 44, 69)  
}
```

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, 44, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 44, 69) }
```

Border

The CSS property to change the border of an element to Yxy 15.6409, 0.5509, 0.3079 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, 44, 69) }
```

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

```
.border{ border-color:rgb(208, 44, 69) }
```

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

Here you see how a box with a 4 pixel rgb(208, 44, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 44, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 44, 69);  
box-shadow:4px 4px 4px 4px rgb(208, 44,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6409, 0.5509, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 44, 69) }
```

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

```
.background{ background-color: rgb(208, 44,  
69) }
```

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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