

Converting Colors

$Y_{xy}(15.5065, 0.5226, 0.2824)$

Have a look what the booklet for
Yxy(15.5065, 0.5226, 0.2824)
contains.

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Color

Yxy(15.5216, 0.5223, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	D12458
RGB	209, 36, 88
RGB Percent	82%, 14%, 35%
CMY	0.1804, 0.8588, 0.6549
CMYK	0.00, 0.83, 0.58, 0.18
HSL	342°, 71%, 48%
HSV	342°, 83%, 82%
XYZ	28.6869, 15.5216, 10.7157
YIQ	93.6550, 86.4160, 52.8480

Conversions

Conversions Part 2

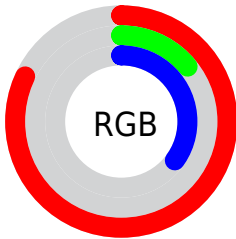
Format	Color
RYB	209, 36, 88
Decimal	13706328
CIELab	46.34, 66.68, 15.14
CIElCh	46, 68.381, 12.796
Yxy	15.5216, 0.5223, 0.2826
Android (android.graphics.Color)	4291896408 (0xFFD12458)
YUV	93.6550, -2.7879, 101.1576
Hunter-Lab	39.3975, 61.0278, 11.4519

Details

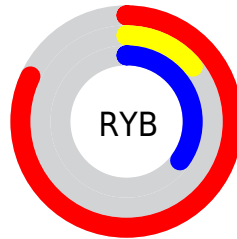
The Yxy color **15.5216, 0.5223, 0.2826** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **48.4116, 0.2516, 0.4113**, and the grayscale version is **11.1009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4023, 0.4568, 0.2932**, and **6.3775, 0.5744, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **14.3863, 0.5564, 0.2891**, and if you desaturate by 10%, it is **17.4447, 0.4858, 0.2808**.

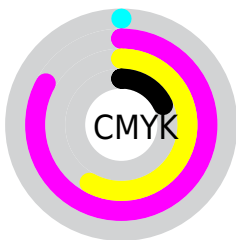
Distribution



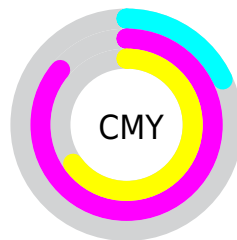
- Red (82%)
- Green (14%)
- Blue (35%)



- Red (82%)
- Yellow (14%)
- Blue (35%)



- Cyan (0%)
- Magenta (83%)
- Yellow (58%)
- Black (18%)





- Cyan (18%)
- Magenta (86%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5216, 0.5223, 0.2826 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 15.5216, 0.5223, 0.2826 by changing the saturation by 10% instead.


 15.5216, 0.5223,
0.2826


 15.5216, 0.5223,
0.2826


226.5020, 0.3993,
0.3143


 9.1863, 0.5595,
0.2707


 35.7657, 0.4728,
0.2968


 4.8629, 0.6107,
0.2524

 50.4432, 0.4557,
0.3013


 2.1670, 0.6838,
0.2227

 68.6702, 0.4418,
0.3047

 0.7019, 0.8242,
0.1758

 90.8312, 0.4303,
0.3074

 0.0000, 1.0000,
0.0000

 117.3104, 0.4207,
0.3097

 0.0000, 0.0000,
0.0000

 148.4924, 0.4125,

0.3115

184.7614, 0.4054,
0.3130

■ 15.5216, 0.5223,
0.2826

■ 15.5216, 0.5223,
0.2826

■ 14.3863, 0.5564,
0.2891

■ 17.4447, 0.4858,
0.2808

■ 13.9121, 0.5781,
0.2958

■ 20.2677, 0.4501,
0.2830

■ 24.0869, 0.4175,
0.2883

■ 28.9858, 0.3891,
0.2953

■ 35.0387, 0.3652,
0.3033

■ 42.3134, 0.3454,
0.3115

■ 50.8724, 0.3291,
0.3194

■ 60.7740, 0.3159,
0.3270

■ 72.0728, 0.3052,
0.3340

Harmonies

Analogous

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



15.5216, 0.3925, 0.2150



15.5216, 0.5223, 0.2826



15.5216, 0.5698, 0.3587

Triad

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



15.5216, 0.5223, 0.2826



15.5216, 0.3158, 0.5873



15.5216, 0.1197, 0.1593

Complementary

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



15.5216, 0.5223, 0.2826



48.4116, 0.2516, 0.4113

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.



15.5216, 0.1085, 0.2123



15.5216, 0.5223, 0.2826



15.5216, 0.2066, 0.5013

Square

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



15.5216, 0.5223, 0.2826



15.5216, 0.4298, 0.5382



15.5216, 0.1337, 0.3310



15.5216, 0.1659, 0.1481

Rectangle

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



15.5216, 0.5223, 0.2826



15.5216, 0.5483, 0.4147



15.5216, 0.1337, 0.3310



15.5216, 0.1124, 0.1714

Sweetspot

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



15.5225, 0.5223, 0.2826



63.3042, 0.3500, 0.3094



12.7578, 0.2558, 0.1280



12.6715, 0.3569, 0.3065



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.



15.5225, 0.5223, 0.2826



21.8713, 0.5781, 0.2964



17.7843, 0.5728, 0.3554



11.8659, 0.3244, 0.3220



8.5931, 0.5744, 0.2938



0.4945, 0.5213, 0.2645

Inverse Universe

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



15.5225, 0.5223, 0.2826



21.8713, 0.5781, 0.2964



36.5364, 0.2148, 0.2801



11.8659, 0.3244, 0.3220



8.5931, 0.5744, 0.2938



0.4945, 0.5213, 0.2645

Previews

White Background



This preview shows how the Yxy color 15.5216, 0.5223, 0.2826 looks on a white background.

Color Contrast Check

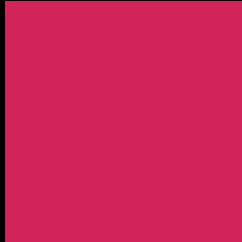
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5216, 0.5223, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

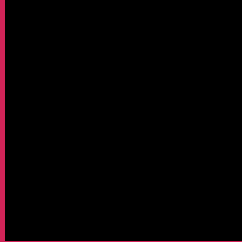
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5216, 0.5223, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 15.5216, 0.5223, 0.2826.



This preview shows how white text looks on a background with the Yxy color 15.5216, 0.5223, 0.2826.

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

15.5216, 0.5223, 0.2826

Protanopia

15.8331, 0.2957, 0.3029

Deuteranopia

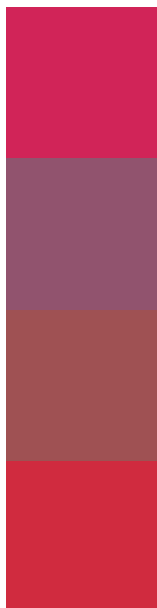
15.7125, 0.3850, 0.3790



Tritanopia

15.5118, 0.5787, 0.3290

Trichromacy



Original Color

15.5216, 0.5223, 0.2826

Protanomaly

13.3320, 0.3717, 0.2818

Deuteranomaly

13.8803, 0.4418, 0.3262

Tritanomaly

15.4965, 0.5611, 0.3131

Monochromacy



Original Color

15.5216, 0.5223, 0.2826

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.7720, 0.3944, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5216, 0.5223, 0.2826 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(209, 36, 88)` looks like.

```
.text, #text, p{  
    color:rgb(209, 36, 88)  
}
```

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(209, 36, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 36, 88) }
```

Border

The CSS property to change the border of an element to Yxy 15.5216, 0.5223, 0.2826 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(209, 36, 88) }
```

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

```
.border{ border-color:rgb(209, 36, 88) }
```

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

Here you see how a box with a 4 pixel rgb(209, 36, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 36, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 36, 88);  
box-shadow:4px 4px 4px 4px rgb(209, 36,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5216, 0.5223, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 36, 88) }
```

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

```
.background{ background-color: rgb(209, 36,  
88) }
```

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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