

Converting Colors

$Yxy(16.2187, 0.5786, 0.3191)$

Have a look what the booklet for
Yxy(16.2187, 0.5786, 0.3191)
contains.

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Color

Yxy(16.2405, 0.5789, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	D72837
RGB	215, 40, 55
RGB Percent	84%, 16%, 22%
CMY	0.1569, 0.8430, 0.7842
CMYK	0.00, 0.81, 0.74, 0.16
HSL	355°, 69%, 50%
HSV	355°, 81%, 84%
XYZ	29.4722, 16.2405, 5.1980
YIQ	94.0350, 99.4850, 41.7650

Conversions

Conversions Part 2

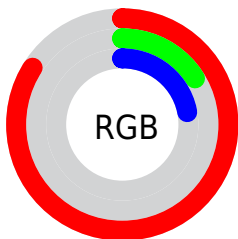
Format	Color
RYB	215, 40, 55
Decimal	14100535
CIELab	47.29, 65.63, 36.57
CIElCh	47, 75.128, 29.124
Yxy	16.2405, 0.5789, 0.3190
Android (android.graphics.Color)	4292290615 (0xFFD72837)
YUV	94.0350, -19.2443, 106.0863
Hunter-Lab	40.2995, 60.0180, 20.5622

Details

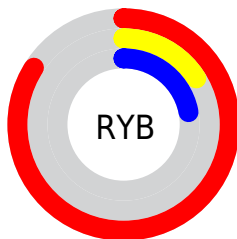
The Yxy color **16.2405, 0.5789, 0.3190** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **53.2202, 0.2344, 0.3505**, and the grayscale version is **11.2341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1199, 0.5013, 0.3314**, and **6.7045, 0.6286, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **15.0196, 0.6130, 0.3224**, and if you desaturate by 10%, it is **18.3435, 0.5357, 0.3172**.

Distribution



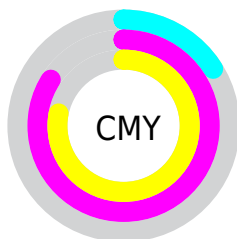
- Red (84%)
- Green (16%)
- Blue (22%)



- Red (84%)
- Yellow (16%)
- Blue (22%)



- Cyan (0%)
- Magenta (81%)
- Yellow (74%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2405, 0.5789, 0.3190 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 16.2405, 0.5789, 0.3190 by changing the saturation by 10% instead.


 16.2405, 0.5789,
0.3190


 16.2405, 0.5789,
0.3190


230.7567, 0.4267,
0.3379


 9.6945, 0.6201,
0.3070


 37.0152, 0.5202,
0.3307


 5.1969, 0.6729,
0.2867

 52.0127, 0.4989,
0.3335


 2.3632, 0.7463,
0.2537

 70.5962, 0.4815,
0.3353

 0.8069, 0.8117,
0.1883

 93.1500, 0.4668,
0.3365

 0.0000, 1.0000,
0.0000

 120.0586, 0.4545,
0.3372

 0.0000, 0.0000,
0.0000

 151.7063, 0.4439,

0.3376

188.4775, 0.4347,
0.3378

■ 16.2405, 0.5789,
0.3190

■ 16.2405, 0.5789,
0.3190

■ 15.0196, 0.6130,
0.3224

■ 18.3435, 0.5357,
0.3172

■ 14.4914, 0.6318,
0.3254


■ 21.4504, 0.4900,
0.3170


■ 25.6669, 0.4469,
0.3181


■ 31.0848, 0.4092,
0.3199

■ 37.7860, 0.3777,
0.3221

 45.8453, 0.3520,
0.3244

 55.3319, 0.3313,
0.3266

 66.3102, 0.3147,
0.3287

 78.8406, 0.3014,
0.3307

Harmonies

Analogous

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



16.2405, 0.4815, 0.2442



16.2405, 0.5789, 0.3190



16.2405, 0.5680, 0.4020

Triad

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



16.2405, 0.5789, 0.3190



16.2405, 0.2464, 0.5822



16.2405, 0.1307, 0.1393

Complementary

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



16.2405, 0.5789, 0.3190



53.2202, 0.2344, 0.3505

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.



16.2405, 0.1005, 0.1671



16.2405, 0.5789, 0.3190



16.2405, 0.1497, 0.4138

Square

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



16.2405, 0.5789, 0.3190



16.2405, 0.3660, 0.5931



16.2405, 0.1039, 0.2495



16.2405, 0.2021, 0.1458

Rectangle

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



16.2405, 0.5789, 0.3190



16.2405, 0.5171, 0.4673



16.2405, 0.1039, 0.2495



16.2405, 0.1167, 0.1442

Sweetspot

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



16.2415, 0.5789, 0.3190



63.8802, 0.3588, 0.3237



18.3629, 0.3003, 0.1524



12.7544, 0.3679, 0.3229



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.



16.2415, 0.5789, 0.3190



21.4476, 0.6296, 0.3255



25.7541, 0.5234, 0.3967



12.4379, 0.3278, 0.3270



8.6746, 0.6299, 0.3243



0.5293, 0.6013, 0.3086

Inverse Universe

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



16.2415, 0.5789, 0.3190



21.4476, 0.6296, 0.3255



25.6104, 0.1991, 0.2191



12.4379, 0.3278, 0.3270



8.6746, 0.6299, 0.3243



0.5293, 0.6013, 0.3086

Previews

White Background



This preview shows how the Yxy color 16.2405, 0.5789, 0.3190 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 16.2405, 0.5789, 0.3190 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 16.2405, 0.5789, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 16.2405, 0.5789, 0.3190.



This preview shows how white text looks on a background with the Yxy color 16.2405, 0.5789, 0.3190.

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

16.2405, 0.5789, 0.3190

Protanopia

16.4979, 0.3698, 0.3986

Deuteranopia

16.3600, 0.4427, 0.4338



Tritanopia

16.2702, 0.5934, 0.3298

Trichromacy



Original Color

16.2405, 0.5789, 0.3190

Protanomaly

14.1657, 0.4549, 0.3552

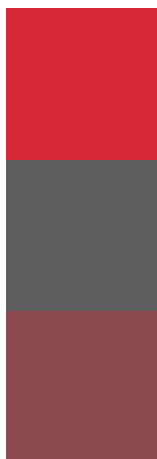
Deuteranomaly

14.7247, 0.5058, 0.3766

Tritanomaly

16.2382, 0.5884, 0.3258

Monochromacy



Original Color

16.2405, 0.5789, 0.3190

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.8800, 0.4205, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2405, 0.5789, 0.3190 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(215, 40, 55)` looks like.

```
.text, #text, p{  
    color:rgb(215, 40, 55)  
}
```

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(215, 40, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 40, 55) }
```

Border

The CSS property to change the border of an element to Yxy 16.2405, 0.5789, 0.3190 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(215, 40, 55) }
```

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

```
.border{ border-color:rgb(215, 40, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 40, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 40, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 40, 55);  
box-shadow:4px 4px 4px 4px rgb(215, 40,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2405, 0.5789, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 40, 55) }
```

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

```
.background{ background-color: rgb(215, 40,  
55) }
```

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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