

Converting Colors

$Y_{xy}(16.2209, 0.5800, 0.3737)$

Have a look what the booklet for
Yxy(16.2209, 0.5800, 0.3737)
contains.

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Color

Yxy(16.2660, 0.5802, 0.3737)

Conversions

Conversions Part 1

Format	Color
Hex	C54607
RGB	197, 70, 7
RGB Percent	77%, 27%, 3%
CMY	0.2274, 0.7255, 0.9729
CMYK	0.00, 0.64, 0.96, 0.23
HSL	20°, 93%, 40%
HSV	20°, 96%, 77%
XYZ	25.2543, 16.2660, 2.0066
YIQ	100.7910, 95.9150, 7.3310

Conversions

Conversions Part 2

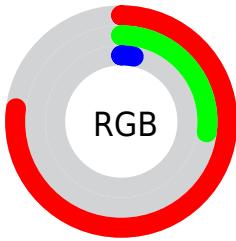
Format	Color
RYB	197, 101, 7
Decimal	12928519
CIELab	47.32, 48.50, 56.35
CIElCh	47, 74.348, 49.278
Yxy	16.2660, 0.5802, 0.3737
Android (android.graphics.Color)	4291118599 (0xFFC54607)
YUV	100.7910, -46.2390, 84.3753
Hunter-Lab	40.3311, 41.1926, 25.2819

Details

The Yxy color **16.2660, 0.5802, 0.3737** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **21.0955, 0.1952, 0.2205**, and the grayscale version is **13.0583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0231, 0.5233, 0.3822**, and **5.2811, 0.6354, 0.3337** is the 20% darker color. If you saturate the color by 10%, you get **15.6972, 0.5889, 0.3706**, and if you desaturate by 10%, it is **18.1601, 0.5529, 0.3814**.

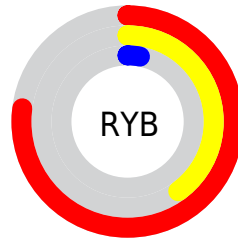
Distribution



Red (77%)

Green (27%)

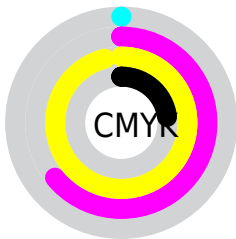
Blue (3%)



Red (77%)

Yellow (40%)

Blue (3%)

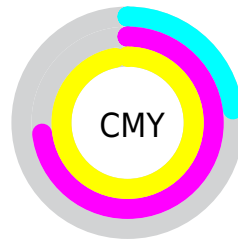


Cyan (0%)

Magenta (64%)

Yellow (96%)

Black (23%)



Cyan (23%)


Magenta (73%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2660, 0.5802, 0.3737 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 16.2660, 0.5802, 0.3737 by changing the saturation by 10% instead.


 16.2660, 0.5802,
0.3737


 16.2660, 0.5802,
0.3737


230.9062, 0.4344,
0.3696


 9.7126, 0.6148,
0.3642


 37.0594, 0.5276,
0.3796


 5.2088, 0.6552,
0.3448

 52.0681, 0.5073,
0.3793


 2.3703, 0.6947,
0.3053

 70.6641, 0.4902,
0.3782

 0.8105, 0.7564,
0.2436

 93.2317, 0.4756,
0.3766

 0.0000, 1.0000,
0.0000

 120.1553, 0.4630,
0.3749

 0.0000, 0.0000,
0.0000

 151.8194, 0.4522,


0.3731


 188.6082, 0.4427,
0.3713


 16.2660, 0.5802,
0.3737


 16.2660, 0.5802,
0.3737


 15.6972, 0.5889,
0.3706

 18.1601, 0.5529,
0.3814

 20.4959, 0.5200,
0.3842

 23.3056, 0.4846,
0.3825

 26.6164, 0.4498,
0.3772

 30.4530, 0.4173,
0.3697

■ 34.8386, 0.3884,
0.3610

■ 39.7945, 0.3631,
0.3519

■ 45.3412, 0.3415,
0.3429

■ 51.4978, 0.3231,
0.3343

Harmonies

Analogous

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



16.2660, 0.5561, 0.2945



16.2660, 0.5802, 0.3737



16.2660, 0.5154, 0.4675

Triad

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



16.2660, 0.5802, 0.3737



16.2660, 0.1779, 0.4765



16.2660, 0.1744, 0.1417

Complementary

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



16.2660, 0.5802, 0.3737



21.0955, 0.1952, 0.2205

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.



16.2660, 0.1183, 0.1454



16.2660, 0.5802, 0.3737



16.2660, 0.1149, 0.2950

Square

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



16.2660, 0.5802, 0.3737



16.2660, 0.2858, 0.6017



16.2660, 0.0993, 0.1879



16.2660, 0.2805, 0.1681

Rectangle

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



16.2660, 0.5802, 0.3737



16.2660, 0.4452, 0.5359



16.2660, 0.0993, 0.1879



16.2660, 0.1508, 0.1394

Sweetspot

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



16.2670, 0.5802, 0.3737



68.5486, 0.3702, 0.3546



13.8206, 0.4168, 0.2087



13.8505, 0.3811, 0.3586



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.



16.2670, 0.5802, 0.3737



27.7029, 0.5915, 0.3685



37.7786, 0.4536, 0.4759



11.2026, 0.3281, 0.3367



10.4627, 0.5865, 0.3725



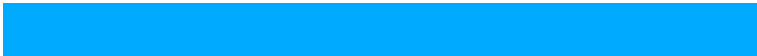
0.6291, 0.5454, 0.4051

Inverse Universe

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



21.0955, 0.1952, 0.2205



36.0987, 0.1929, 0.2143



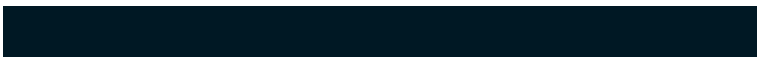
5.7140, 0.1568, 0.0816



11.4513, 0.2984, 0.3212



13.5931, 0.1938, 0.2178



0.7726, 0.2010, 0.2437

Previews

White Background



This preview shows how the Yxy color 16.2660, 0.5802, 0.3737 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 16.2660, 0.5802, 0.3737 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 16.2660, 0.5802, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 16.2660, 0.5802, 0.3737.



This preview shows how white text looks on a background with the Yxy color 16.2660, 0.5802, 0.3737.

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

16.2660, 0.5802, 0.3737

Protanopia

16.3802, 0.4313, 0.4772

Deuteranopia

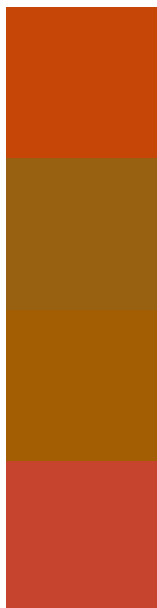
16.3550, 0.4709, 0.4643



Tritanopia

16.2160, 0.5267, 0.3253

Trichromacy



Original Color

16.2660, 0.5802, 0.3737

Protanomaly

15.2653, 0.4928, 0.4342

Deuteranomaly

15.7985, 0.5162, 0.4264

Tritanomaly

16.2173, 0.5563, 0.3498

Monochromacy



Original Color

16.2660, 0.5802, 0.3737

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9518, 0.4259, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2660, 0.5802, 0.3737 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(197, 70, 7)` looks like.

```
.text, #text, p{  
    color:rgb(197, 70, 7)  
}
```

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(197, 70, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 70, 7) }
```

Border

The CSS property to change the border of an element to Yxy 16.2660, 0.5802, 0.3737 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(197, 70, 7) }
```

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

```
.border{ border-color:rgb(197, 70, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 70, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 70, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 70, 7);  
box-shadow:4px 4px 4px 4px rgb(197, 70, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2660, 0.5802, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 70, 7) }
```

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

```
.background{ background-color: rgb(197, 70,  
7) }
```

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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