

Converting Colors

$Y_{xy}(16.1072, 0.5686, 0.3435)$

Have a look what the booklet for
Yxy(16.1072, 0.5686, 0.3435)
contains.

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Color

Yxy(16.1101, 0.5693, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	CB3C2C
RGB	203, 60, 44
RGB Percent	80%, 24%, 17%
CMY	0.2039, 0.7647, 0.8273
CMYK	0.00, 0.70, 0.78, 0.20
HSL	6°, 64%, 48%
HSV	6°, 78%, 80%
XYZ	26.7001, 16.1101, 4.0897
YIQ	100.9330, 90.3640, 25.3400

Conversions

Conversions Part 2

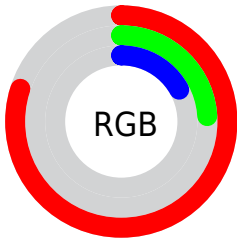
Format	Color
R_{YB}	203, 62, 44
Decimal	13319212
CIE Lab	47.12, 55.40, 41.85
CIE LCh	47, 69.428, 37.066
Yxy	16.1101, 0.5693, 0.3435
Android (android.graphics.Color)	4291509292 (0xFFCB3C2C)
YUV	100.9330, -28.0680, 89.5128
Hunter-Lab	40.1374, 48.5009, 22.0550

Details

The Yxy color **16.1101, 0.5693, 0.3435** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **40.4069, 0.2230, 0.3044**, and the grayscale version is **13.0539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5061, 0.5047, 0.3527**, and **5.6627, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.3993, 0.6056, 0.3405**, and if you desaturate by 10%, it is **18.5575, 0.5256, 0.3446**.

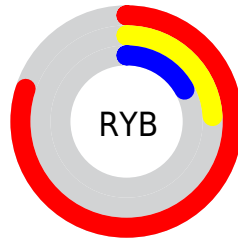
Distribution



Red (80%)

Green (24%)

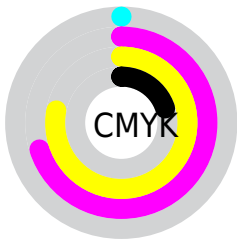
Blue (17%)



Red (80%)

Yellow (24%)

Blue (17%)

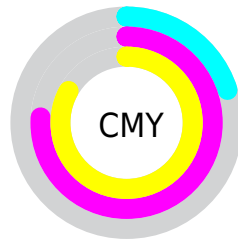


Cyan (0%)

Magenta (70%)

Yellow (78%)

Black (20%)



Cyan (20%)


Magenta (76%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1101, 0.5693, 0.3435 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 16.1101, 0.5693, 0.3435 by changing the saturation by 10% instead.


 16.1101, 0.5693,
0.3435

 16.1101, 0.5693,
0.3435

229.9905, 0.4233,
0.3497


 9.6021, 0.6079,
0.3339


 36.7892, 0.5135,
0.3509


 5.1359, 0.6609,
0.3179

 51.7292, 0.4931,
0.3520

 2.3272, 0.7177,
0.2823

 70.2485, 0.4763,
0.3523

 0.7881, 0.7824,
0.2176

 92.7317, 0.4622,
0.3521

 0.0000, 1.0000,
0.0000

 119.5631, 0.4502,
0.3516

 0.0000, 0.0000,
0.0000

 151.1271, 0.4400,

0.3511

187.8081, 0.4311,
0.3504

■ 16.1101, 0.5693,
0.3435

■ 16.1101, 0.5693,
0.3435

■ 14.3993, 0.6056,
0.3405

■ 18.5575, 0.5256,
0.3446

■ 13.3362, 0.6295,
0.3363

■ 21.8095, 0.4807,
0.3439

■ 13.2105, 0.6327,
0.3358

■ 25.9293, 0.4390,
0.3420

■ 30.9732, 0.4027,
0.3395

■ 36.9926, 0.3722,
0.3366

■ 44.0353, 0.3471,
0.3338

■ 52.1457, 0.3267,
0.3311

■ 61.3659, 0.3101,
0.3286

■ 71.7354, 0.2966,
0.3263

Harmonies

Analogous

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



16.1101, 0.5025, 0.2686



16.1101, 0.5693, 0.3435



16.1101, 0.5399, 0.4274

Triad

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



16.1101, 0.5693, 0.3435



16.1101, 0.2254, 0.5298



16.1101, 0.1537, 0.1474

Complementary

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



16.1101, 0.5693, 0.3435



40.4069, 0.2230, 0.3044

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.



16.1101, 0.1147, 0.1653



16.1101, 0.5693, 0.3435



16.1101, 0.1433, 0.3621

Square

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



16.1101, 0.5693, 0.3435



16.1101, 0.3378, 0.5866



16.1101, 0.1099, 0.2288



16.1101, 0.2354, 0.1612

Rectangle

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



16.1101, 0.5693, 0.3435



16.1101, 0.4844, 0.4902



16.1101, 0.1099, 0.2288



16.1101, 0.1365, 0.1494

Sweetspot

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



16.1111, 0.5693, 0.3435



67.6144, 0.3590, 0.3352



18.0938, 0.3405, 0.1785



13.5735, 0.3686, 0.3363



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.



16.1111, 0.5693, 0.3435



22.7705, 0.6234, 0.3375



31.4657, 0.4742, 0.4341



11.3918, 0.3288, 0.3314



8.4698, 0.6313, 0.3370



0.5002, 0.6064, 0.3567

Inverse Universe

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



40.4069, 0.2230, 0.3044



64.4395, 0.2169, 0.2986



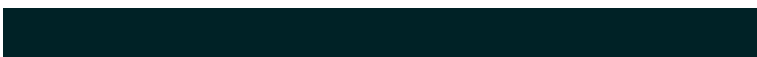
15.4952, 0.1879, 0.1699



12.5270, 0.2983, 0.3266



24.2735, 0.2160, 0.2974



1.3092, 0.2178, 0.3041

Previews

White Background



This preview shows how the Yxy color 16.1101, 0.5693, 0.3435 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 16.1101, 0.5693, 0.3435 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 16.1101, 0.5693, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 16.1101, 0.5693, 0.3435.



This preview shows how white text looks on a background with the Yxy color 16.1101, 0.5693, 0.3435.

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

16.1101, 0.5693, 0.3435

Protanopia

16.4111, 0.3956, 0.4326

Deuteranopia

16.2879, 0.4523, 0.4460



Tritanopia

16.1897, 0.5514, 0.3278

Trichromacy



Original Color

16.1101, 0.5693, 0.3435

Protanomaly

15.0441, 0.4648, 0.3927

Deuteranomaly

15.3384, 0.5035, 0.4001

Tritanomaly

16.2316, 0.5588, 0.3343

Monochromacy



Original Color

16.1101, 0.5693, 0.3435

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6380, 0.4110, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1101, 0.5693, 0.3435 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(203, 60, 44)` looks like.

```
.text, #text, p{  
    color:rgb(203, 60, 44)  
}
```

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(203, 60, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 60, 44) }
```

Border

The CSS property to change the border of an element to Yxy 16.1101, 0.5693, 0.3435 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(203, 60, 44) }
```

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

```
.border{ border-color:rgb(203, 60, 44) }
```

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

Here you see how a box with a 4 pixel rgb(203, 60, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 60, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 60, 44);  
box-shadow:4px 4px 4px 4px rgb(203, 60,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1101, 0.5693, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 60, 44) }
```

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

```
.background{ background-color: rgb(203, 60,  
44) }
```

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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