

Converting Colors

$Yxy(16.3286, 0.5731, 0.3628)$

Have a look what the booklet for
Yxy(16.3286, 0.5731, 0.3628)
contains.

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Color

$Yxy(16.3602, 0.5729, 0.3629)$

Conversions

Conversions Part 1

Format	Color
Hex	C7441C
RGB	199, 68, 28
RGB Percent	78%, 27%, 11%
CMY	0.2197, 0.7332, 0.8902
CMYK	0.00, 0.66, 0.86, 0.22
HSL	14°, 75%, 45%
HSV	14°, 86%, 78%
XYZ	25.8274, 16.3602, 2.8943
YIQ	102.6090, 90.9160, 15.3320

Conversions

Conversions Part 2

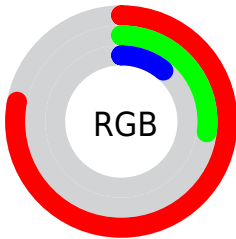
Format	Color
RYB	199, 80, 28
Decimal	13059100
CIELab	47.44, 50.39, 49.70
CIElCh	47, 70.775, 44.603
Yxy	16.3602, 0.5729, 0.3629
Android (android.graphics.Color)	4291249180 (0xFFC7441C)
YUV	102.6090, -36.7822, 84.5349
Hunter-Lab	40.4477, 43.1953, 24.0709

Details

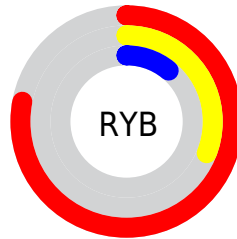
The Yxy color **16.3602, 0.5729, 0.3629** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **29.1490, 0.2093, 0.2632**, and the grayscale version is **13.5378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7149, 0.5131, 0.3699**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.6846, 0.6019, 0.3556**, and if you desaturate by 10%, it is **18.5796, 0.5363, 0.3664**.

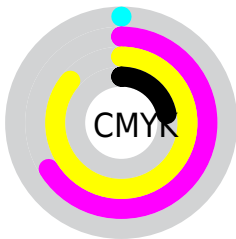
Distribution



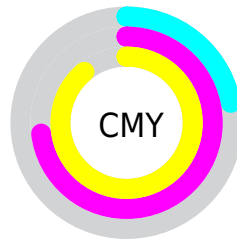
- Red (78%)
- Green (27%)
- Blue (11%)



- Red (78%)
- Yellow (31%)
- Blue (11%)



- Cyan (0%)
- Magenta (66%)
- Yellow (86%)
- Black (22%)



- Cyan (22%)
- Magenta (73%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3602, 0.5729, 0.3629 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 16.3602, 0.5729, 0.3629 by changing the saturation by 10% instead.


 16.3602, 0.5729,
0.3629


 16.3602, 0.5729,
0.3629


231.4579, 0.4280,
0.3613


 9.7794, 0.6086,
0.3537


 37.2224, 0.5190,
0.3685


 5.2529, 0.6602,
0.3398

 52.2726, 0.4988,
0.3685


 2.3964, 0.7003,
0.2997

 70.9147, 0.4819,
0.3678

 0.8240, 0.7622,
0.2378

 93.5331, 0.4677,
0.3666


 0.0000, 1.0000,
0.0000


 120.5123, 0.4555,
0.3653

 0.0000, 0.0000,
0.0000

 152.2365, 0.4451,

0.3640


 189.0903, 0.4360,
0.3626


 16.3602, 0.5729,
0.3629


 16.3602, 0.5729,
0.3629


 14.6846, 0.6019,
0.3556


 18.5796, 0.5363,
0.3664

 14.1407, 0.6118,
0.3524

 21.3848, 0.4964,
0.3661

 24.8163, 0.4574,
0.3628

 28.9100, 0.4216,
0.3576

 33.6991, 0.3902,
0.3514

■ 39.2143, 0.3635,
0.3449

■ 45.4846, 0.3410,
0.3385

■ 52.5374, 0.3223,
0.3324

■ 60.3985, 0.3067,
0.3268

Harmonies

Analogous

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



16.3602, 0.5315, 0.2860



16.3602, 0.5729, 0.3629



16.3602, 0.5230, 0.4508

Triad

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



16.3602, 0.5729, 0.3629



16.3602, 0.1989, 0.4950



16.3602, 0.1682, 0.1464

Complementary

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



16.3602, 0.5729, 0.3629



29.1490, 0.2093, 0.2632

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.



16.3602, 0.1194, 0.1555



16.3602, 0.5729, 0.3629



16.3602, 0.1286, 0.3212

Square

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



16.3602, 0.5729, 0.3629



16.3602, 0.3079, 0.5912



16.3602, 0.1060, 0.2055



16.3602, 0.2631, 0.1677

Rectangle

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



16.3602, 0.5729, 0.3629



16.3602, 0.4599, 0.5153



16.3602, 0.1060, 0.2055



16.3602, 0.1474, 0.1458

Sweetspot

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



16.3612, 0.5729, 0.3629



68.2128, 0.3646, 0.3452



15.4765, 0.3782, 0.1936



13.8464, 0.3735, 0.3475



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.



16.3612, 0.5729, 0.3629



24.4607, 0.6141, 0.3506



35.1335, 0.4611, 0.4600



11.0333, 0.3284, 0.3345



9.2074, 0.6096, 0.3542



0.5511, 0.5678, 0.3874

Inverse Universe

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



29.1490, 0.2093, 0.2632



46.3834, 0.2028, 0.2499



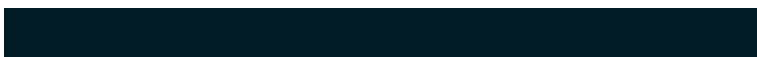
9.2122, 0.1704, 0.1188



11.6303, 0.2984, 0.3235



17.3162, 0.2034, 0.2523



0.9252, 0.2084, 0.2701

Previews

White Background



This preview shows how the Yxy color 16.3602, 0.5729, 0.3629 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 16.3602, 0.5729, 0.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

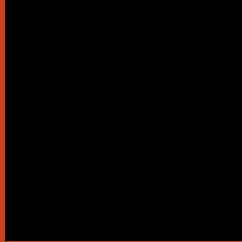
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3602, 0.5729, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 16.3602, 0.5729, 0.3629.



This preview shows how white text looks on a background with the Yxy color 16.3602, 0.5729, 0.3629.

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

16.3602, 0.5729, 0.3629

Protanopia

16.4688, 0.4197, 0.4600

Deuteranopia

16.3550, 0.4709, 0.4643



Tritanopia

16.3514, 0.5325, 0.3265

Trichromacy



Original Color

16.3602, 0.5729, 0.3629

Protanomaly

15.4430, 0.4814, 0.4197

Deuteranomaly

15.6371, 0.5153, 0.4225

Tritanomaly

16.3170, 0.5513, 0.3414

Monochromacy



Original Color

16.3602, 0.5729, 0.3629

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2374, 0.4145, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3602, 0.5729, 0.3629 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(199, 68, 28)` looks like.

```
.text, #text, p{  
    color:rgb(199, 68, 28)  
}
```

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(199, 68, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 68, 28) }
```

Border

The CSS property to change the border of an element to Yxy 16.3602, 0.5729, 0.3629 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(199, 68, 28) }
```

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

```
.border{ border-color:rgb(199, 68, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 68, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 68, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 68, 28);  
box-shadow:4px 4px 4px 4px rgb(199, 68,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3602, 0.5729, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 68, 28) }
```

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

```
.background{ background-color: rgb(199, 68,  
28) }
```

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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