

Converting Colors

$Y_{xy}(15.9840, 0.6281, 0.3233)$

Have a look what the booklet for
Yxy(15.9840, 0.6281, 0.3233)
contains.

Yxy(15.9219, 0.6277, 0.3232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.9219, 0.6277, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	E0001A
RGB	224, 0, 26
RGB Percent	88%, 0%, 10%
CMY	0.1216, 0.9993, 0.8982
CMYK	0.00, 1.00, 0.88, 0.12
HSL	353°, 100%, 44%
HSV	353°, 100%, 88%
XYZ	30.9226, 15.9219, 2.4188
YIQ	69.9400, 125.1580, 55.5740

Conversions

Conversions Part 2

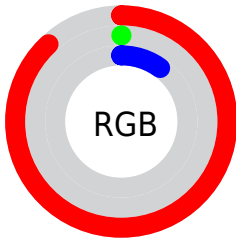
Format	Color
RYB	224, 0, 26
Decimal	14680090
CIELab	46.87, 72.89, 52.18
CIELCh	47, 89.638, 35.597
Yxy	15.9219, 0.6277, 0.3232
Android (android.graphics.Color)	4292870170 (0xFFE0001A)
YUV	69.9400, -21.6624, 135.1106
Hunter-Lab	39.9023, 68.5011, 24.3375

Details

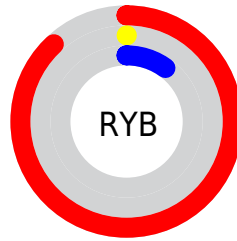
The Yxy color **15.9219, 0.6277, 0.3232** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **57.3893, 0.2349, 0.3657**, and the grayscale version is **6.1533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0534, 0.5447, 0.3433**, and **7.2691, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.9180, 0.6279, 0.3232**, and if you desaturate by 10%, it is **16.6365, 0.6030, 0.3183**.

Distribution



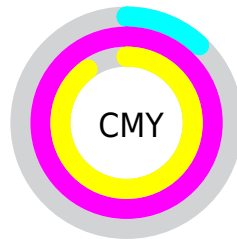
- Red (88%)
- Green (0%)
- Blue (10%)



- Red (88%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9219, 0.6277, 0.3232 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 15.9219, 0.6277, 0.3232 by changing the saturation by 10% instead.


 15.9219, 0.6277,
0.3232


 15.9219, 0.6277,
0.3232


228.8804, 0.4547,
0.3492

 9.4689, 0.6684,
0.3059


 36.4626, 0.5648,
0.3404


 5.0483, 0.7204,
0.2796

 51.3190, 0.5407,
0.3444

 2.2756, 0.7675,
0.2325

 69.7454, 0.5204,
0.3468

 0.7608, 0.8344,
0.1656

 92.1262, 0.5031,
0.3482


 0.0000, 1.0000,
0.0000


 118.8457, 0.4883,
0.3490


 0.0000, 0.0000,
0.0000


 150.2883, 0.4756,


0.3493


 186.8384, 0.4644,
0.3493


 15.9219, 0.6277,
0.3232


 15.9219, 0.6277,
0.3232


 15.9180, 0.6279,
0.3232

 16.6365, 0.6030,
0.3183

 18.1088, 0.5665,
0.3143

 20.5673, 0.5229,
0.3124

 24.1451, 0.4783,
0.3127

 28.9550, 0.4371,
0.3144

■ 35.0958, 0.4014,
0.3170

■ 42.6564, 0.3718,
0.3200

■ 51.7178, 0.3477,
0.3232

■ 62.3552, 0.3282,
0.3262

Harmonies

Analogous

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



15.9219, 0.5473, 0.2452



15.9219, 0.6277, 0.3232



15.9219, 0.5826, 0.4174

Triad

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



15.9219, 0.6277, 0.3232



15.9219, 0.1984, 0.6116



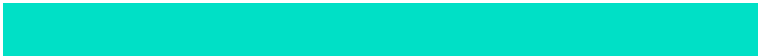
15.9219, 0.1210, 0.1157

Complementary

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



15.9219, 0.6277, 0.3232



57.3893, 0.2349, 0.3657

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.



15.9219, 0.0818, 0.1337



15.9219, 0.6277, 0.3232



15.9219, 0.1078, 0.3758

Square

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



15.9219, 0.6277, 0.3232



15.9219, 0.3259, 0.6514



15.9219, 0.0756, 0.2036



15.9219, 0.2092, 0.1298

Rectangle

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



15.9219, 0.6277, 0.3232



15.9219, 0.5061, 0.4939



15.9219, 0.0756, 0.2036



15.9219, 0.1036, 0.1177

Sweetspot

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



15.9229, 0.6277, 0.3232



56.9014, 0.3726, 0.3200



17.3734, 0.2913, 0.1379



11.2112, 0.3845, 0.3186



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.



15.9229, 0.6277, 0.3232



21.3506, 0.6289, 0.3238



22.4967, 0.5762, 0.3806



13.7261, 0.3274, 0.3263



9.2757, 0.6255, 0.3219



0.6516, 0.5934, 0.3043

Inverse Universe

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



15.9229, 0.6277, 0.3232



21.3506, 0.6289, 0.3238



23.6151, 0.1880, 0.1967



13.7261, 0.3274, 0.3263



9.2757, 0.6255, 0.3219



0.6516, 0.5934, 0.3043

Previews

White Background



This preview shows how the Yxy color 15.9219, 0.6277, 0.3232 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 15.9219, 0.6277, 0.3232 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 15.9219, 0.6277, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 15.9219, 0.6277, 0.3232.



This preview shows how white text looks on a background with the Yxy color 15.9219, 0.6277, 0.3232.

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

15.9219, 0.6277, 0.3232

Protanopia

16.4431, 0.4120, 0.4516

Deuteranopia

16.3550, 0.4709, 0.4643



Tritanopia

16.1883, 0.6342, 0.3346

Trichromacy



Original Color

15.9219, 0.6277, 0.3232



Protanomaly

12.4626, 0.5258, 0.3726



Deuteranomaly

12.9246, 0.5660, 0.3824



Tritanomaly

15.9955, 0.6334, 0.3308

Monochromacy



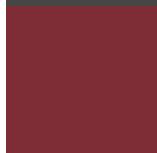
Original Color

15.9219, 0.6277, 0.3232



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.5787, 0.4859, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9219, 0.6277, 0.3232 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(224, 0, 26)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 26)  
}
```

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(224, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 26) }
```

Border

The CSS property to change the border of an element to Yxy 15.9219, 0.6277, 0.3232 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(224, 0, 26) }
```

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

```
.border{ border-color:rgb(224, 0, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.9219, 0.6277, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 26) }
```

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

```
.background{ background-color: rgb(224, 0,  
26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor