

Converting Colors

$Yxy(15.7022, 0.6082, 0.3124)$

Have a look what the booklet for
Yxy(15.7022, 0.6082, 0.3124)
contains.

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Color

Yxy(15.7269, 0.6081, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	DE002E
RGB	222, 0, 46
RGB Percent	87%, 0%, 18%
CMY	0.1293, 1.0000, 0.8195
CMYK	0.00, 1.00, 0.79, 0.13
HSL	348°, 100%, 44%
HSV	348°, 100%, 87%
XYZ	30.6229, 15.7269, 4.0085
YIQ	71.6220, 117.5460, 61.3700

Conversions

Conversions Part 2

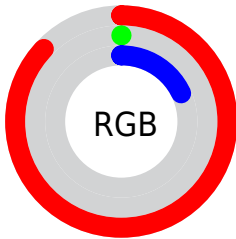
Format	Color
RYB	222, 0, 46
Decimal	14549038
CIELab	46.61, 72.88, 41.42
CIElCh	47, 83.832, 29.611
Yxy	15.7269, 0.6081, 0.3123
Android (android.graphics.Color)	4292739118 (0xFFDE002E)
YUV	71.6220, -12.6316, 131.8815
Hunter-Lab	39.6572, 68.4360, 21.7670

Details

The Yxy color **15.7269, 0.6081, 0.3123** 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 **55.3889, 0.2438, 0.3975**, and the grayscale version is **6.4206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3450, 0.5233, 0.3279**, and **7.1703, 0.6393, 0.3295** is the 20% darker color. If you saturate the color by 10%, you get **15.7305, 0.6081, 0.3123**, and if you desaturate by 10%, it is **16.4805, 0.5788, 0.3044**.

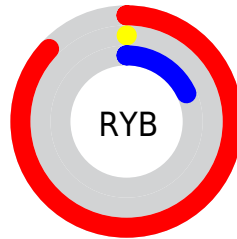
Distribution



Red (87%)

Green (0%)

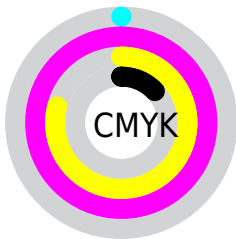
Blue (18%)



Red (87%)

Yellow (0%)

Blue (18%)

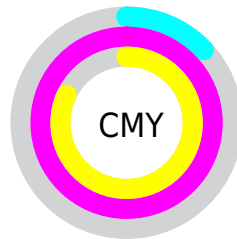


Cyan (0%)

Magenta (100%)

Yellow (79%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7269, 0.6081, 0.3123 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 15.7269, 0.6081, 0.3123 by changing the saturation by 10% instead.


 15.7269, 0.6081,
0.3123


 15.7269, 0.6081,
0.3123


227.7248, 0.4410,
0.3385


 9.3311, 0.6512,
0.2969


 36.1234, 0.5448,
0.3279


 4.9578, 0.7090,
0.2737

 50.8930, 0.5215,
0.3318


 2.2225, 0.7689,
0.2311

 69.2225, 0.5022,
0.3343

 0.7322, 0.8370,
0.1630

 91.4965, 0.4859,
0.3360

 0.0000, 1.0000,
0.0000

 118.0994, 0.4721,
0.3371

 0.0000, 0.0000,
0.0000

 149.4154, 0.4602,

0.3378

185.8291, 0.4500,
0.3383

■ 15.7269, 0.6081,
0.3123

■ 15.7269, 0.6081,
0.3123

■ 15.7305, 0.6081,
0.3123

■ 16.4805, 0.5788,
0.3044

■ 17.9621, 0.5416,
0.2990

■ 20.3982, 0.5005,
0.2972

■ 23.9169, 0.4602,
0.2986

■ 28.6262, 0.4236,
0.3022

■ 34.6212, 0.3920,
0.3072

■ 41.9872, 0.3658,
0.3127

■ 50.8022, 0.3442,
0.3184

■ 61.1382, 0.3268,
0.3239

Harmonies

Analogous

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



15.7269, 0.5040, 0.2355



15.7269, 0.6081, 0.3123



15.7269, 0.5871, 0.3987

Triad

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



15.7269, 0.6081, 0.3123



15.7269, 0.2307, 0.6186



15.7269, 0.1173, 0.1242

Complementary

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



15.7269, 0.6081, 0.3123



55.3889, 0.2438, 0.3975

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.



15.7269, 0.0857, 0.1506



15.7269, 0.6081, 0.3123



15.7269, 0.1307, 0.4196

Square

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



15.7269, 0.6081, 0.3123



15.7269, 0.3582, 0.6212



15.7269, 0.0869, 0.2351



15.7269, 0.1925, 0.1320

Rectangle

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



15.7269, 0.6081, 0.3123



15.7269, 0.5281, 0.4719



15.7269, 0.0869, 0.2351



15.7269, 0.1028, 0.1286

Sweetspot

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



15.7305, 0.6081, 0.3123



57.2112, 0.3663, 0.3126



14.2643, 0.2660, 0.1239



11.2823, 0.3769, 0.3102



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.



15.7305, 0.6081, 0.3123



21.5157, 0.6097, 0.3132



19.0777, 0.6022, 0.3601



13.7468, 0.3260, 0.3242



9.3546, 0.6048, 0.3105



0.6614, 0.5621, 0.2870

Inverse Universe

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



15.7305, 0.6081, 0.3123



21.5157, 0.6097, 0.3132



30.1112, 0.1980, 0.2329



13.7468, 0.3260, 0.3242



9.3546, 0.6048, 0.3105



0.6614, 0.5621, 0.2870

Previews

White Background



This preview shows how the Yxy color 15.7269, 0.6081, 0.3123 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 15.7269, 0.6081, 0.3123 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 15.7269, 0.6081, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 15.7269, 0.6081, 0.3123.



This preview shows how white text looks on a background with the Yxy color 15.7269, 0.6081, 0.3123.

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

15.7269, 0.6081, 0.3123

Protanopia

16.2542, 0.3808, 0.4099

Deuteranopia

16.2718, 0.4545, 0.4489



Tritanopia

16.0365, 0.6330, 0.3340

Trichromacy



Original Color

15.7269, 0.6081, 0.3123

Protanomaly

12.2252, 0.4887, 0.3430

Deuteranomaly

12.8077, 0.5432, 0.3669

Tritanomaly

15.8645, 0.6288, 0.3283

Monochromacy



Original Color

15.7269, 0.6081, 0.3123

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.8249, 0.4638, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7269, 0.6081, 0.3123 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(222, 0, 46)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 46)  
}
```

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(222, 0, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 46) }
```

Border

The CSS property to change the border of an element to Yxy 15.7269, 0.6081, 0.3123 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(222, 0, 46) }
```

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

```
.border{ border-color:rgb(222, 0, 46) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 46)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.7269, 0.6081, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 46) }
```

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

```
.background{ background-color: rgb(222, 0,  
46) }
```

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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