

Converting Colors

Yxy(16.9629, 0.6186, 0.3182)

Have a look what the booklet for
Yxy(16.9629, 0.6186, 0.3182)
contains.

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Color

Yxy(16.9629, 0.6186, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	E60026
RGB	230, 0, 38
RGB Percent	90%, 0%, 15%
CMY	0.0981, 0.9990, 0.8510
CMYK	0.00, 1.00, 0.83, 0.10
HSL	350°, 100%, 45%
HSV	350°, 100%, 90%
XYZ	32.9769, 16.9629, 3.3691
YIQ	73.1020, 124.8820, 60.5780

Conversions

Conversions Part 2

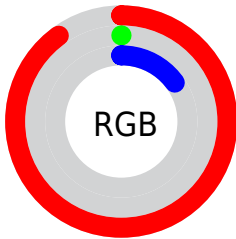
Format	Color
RYB	230, 0, 38
Decimal	15073318
CIELab	48.21, 74.56, 47.92
CIELCh	48, 88.632, 32.732
Yxy	16.9629, 0.6186, 0.3182
Android (android.graphics.Color)	4293263398 (0xFFE60026)
YUV	73.1020, -17.3053, 137.5995
Hunter-Lab	41.1860, 70.8461, 23.9802

Details

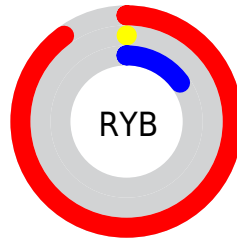
The Yxy color **16.9629, 0.6186, 0.3182** is a dark color, and the websafe version is hex **FF3333**, and the color name is **spanish red**. The color can be described as dark washed red. A complement of this color would be **60.3968, 0.2396, 0.3825**, and the grayscale version is **6.7211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3980, 0.5308, 0.3347**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.9573, 0.6188, 0.3183**, and if you desaturate by 10%, it is **17.7388, 0.5912, 0.3114**.

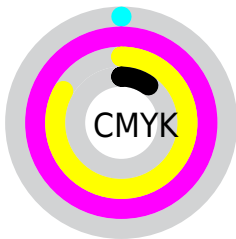
Distribution



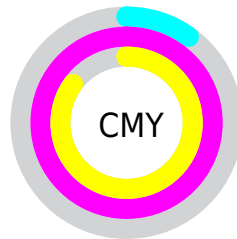
- Red (90%)
- Green (0%)
- Blue (15%)



- Red (90%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9629, 0.6186, 0.3182 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 16.9629, 0.6186, 0.3182 by changing the saturation by 10% instead.


 16.9629, 0.6186,
0.3182


 16.9629, 0.6186,
0.3182


234.9585, 0.4497,
0.3440


 10.2080, 0.6596,
0.3024


 38.2620, 0.5564,
0.3342


 5.5371, 0.7172,
0.2802


 53.5750, 0.5329,
0.3381


 2.5657, 0.7644,
0.2356

 72.5095, 0.5132,
0.3406

 0.9095, 0.8273,
0.1727

 95.4499, 0.4965,
0.3422


 0.0000, 1.0000,
0.0000


 122.7806, 0.4822,
0.3431


 0.0000, 0.0000,
0.0000


 154.8860, 0.4699,


0.3436


 192.1505, 0.4591,
0.3439


 16.9629, 0.6186,
0.3182


 16.9629, 0.6186,
0.3182


 16.9573, 0.6188,
0.3183

 17.7388, 0.5912,
0.3114

 19.3195, 0.5540,
0.3064

 21.9426, 0.5114,
0.3044

 25.7489, 0.4689,
0.3052

 30.8574, 0.4300,
0.3079

■ 37.3723, 0.3964,
0.3118

■ 45.3874, 0.3685,
0.3162

■ 54.9884, 0.3458,
0.3206

■ 66.2543, 0.3274,
0.3250

Harmonies

Analogous

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



16.9629, 0.5261, 0.2407



16.9629, 0.6186, 0.3182



16.9629, 0.5847, 0.4080

Triad

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



16.9629, 0.6186, 0.3182



16.9629, 0.2142, 0.6156



16.9629, 0.1192, 0.1199

Complementary

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



16.9629, 0.6186, 0.3182



60.3968, 0.2396, 0.3825

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.



16.9629, 0.0838, 0.1418



16.9629, 0.6186, 0.3182



16.9629, 0.1188, 0.3972

Square

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



16.9629, 0.6186, 0.3182



16.9629, 0.3417, 0.6359



16.9629, 0.0810, 0.2186



16.9629, 0.2009, 0.1309

Rectangle

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



16.9629, 0.6186, 0.3182



16.9629, 0.5171, 0.4829



16.9629, 0.0810, 0.2186



16.9629, 0.1033, 0.1230

Sweetspot

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



16.9640, 0.6186, 0.3182



57.0648, 0.3692, 0.3160



16.8827, 0.2785, 0.1308



11.2486, 0.3805, 0.3141



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.



16.9640, 0.6186, 0.3182



21.4264, 0.6198, 0.3188



22.1023, 0.5899, 0.3697



14.4064, 0.3267, 0.3252



9.6146, 0.6158, 0.3166



0.7222, 0.5786, 0.2961

Inverse Universe

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



16.9640, 0.6186, 0.3182



21.4264, 0.6198, 0.3188



28.6265, 0.1930, 0.2146



14.4064, 0.3267, 0.3252



9.6146, 0.6158, 0.3166



0.7222, 0.5786, 0.2961

Previews

White Background



This preview shows how the Yxy color 16.9629, 0.6186, 0.3182 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 16.9629, 0.6186, 0.3182 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 16.9629, 0.6186, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 16.9629, 0.6186, 0.3182.



This preview shows how white text looks on a background with the Yxy color 16.9629, 0.6186, 0.3182.

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

16.9629, 0.6186, 0.3182

Protanopia

17.4169, 0.3964, 0.4317

Deuteranopia

17.3814, 0.4672, 0.4595



Tritanopia

17.1943, 0.6342, 0.3347

Trichromacy



Original Color

16.9629, 0.6186, 0.3182



Protanomaly

13.1539, 0.5072, 0.3585



Deuteranomaly

13.7816, 0.5600, 0.3773



Tritanomaly

16.9776, 0.6319, 0.3297

Monochromacy



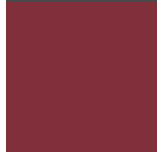
Original Color

16.9629, 0.6186, 0.3182



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

7.1051, 0.4756, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9629, 0.6186, 0.3182 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(230, 0, 38)` looks like.

```
.text, #text, p{  
  color:rgb(230, 0, 38)  
}
```

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(230, 0, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 38) }
```

Border

The CSS property to change the border of an element to Yxy 16.9629, 0.6186, 0.3182 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(230, 0, 38) }
```

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

```
.border{ border-color:rgb(230, 0, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(230, 0, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.9629, 0.6186, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 38) }
```

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

```
.background{ background-color: rgb(230, 0,  
38) }
```

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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