

Converting Colors

$Yxy(18.1801, 0.6270, 0.3243)$

Have a look what the booklet for
Yxy(18.1801, 0.6270, 0.3243)
contains.

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Color

Yxy(18.1969, 0.6268, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	ED051C
RGB	237, 5, 28
RGB Percent	93%, 2%, 11%
CMY	0.0705, 0.9806, 0.8902
CMYK	0.00, 0.98, 0.88, 0.07
HSL	354°, 96%, 47%
HSV	354°, 98%, 93%
XYZ	35.1923, 18.1969, 2.7568
YIQ	76.9900, 130.8890, 56.3370

Conversions

Conversions Part 2

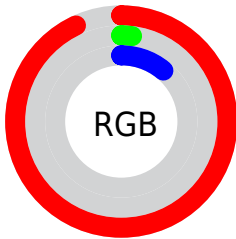
Format	Color
RYB	237, 5, 28
Decimal	15533340
CIELab	49.73, 75.70, 54.61
CIElCh	50, 93.341, 35.805
Yxy	18.1969, 0.6268, 0.3241
Android (android.graphics.Color)	4293723420 (0xFFED051C)
YUV	76.9900, -24.1521, 140.3288
Hunter-Lab	42.6578, 72.6095, 26.0289

Details

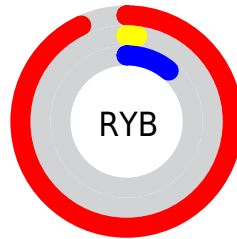
The Yxy color **18.1969, 0.6268, 0.3241** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **65.4602, 0.2335, 0.3598**, and the grayscale version is **7.4424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7872, 0.5383, 0.3445**, and **8.6579, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.0707, 0.6307, 0.3248**, and if you desaturate by 10%, it is **19.0933, 0.6012, 0.3195**.

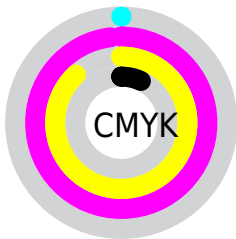
Distribution



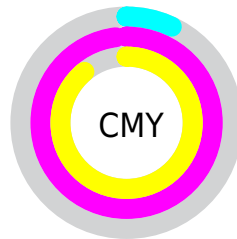
- Red (93%)
- Green (2%)
- Blue (11%)



- Red (93%)
- Yellow (2%)
- Blue (11%)



- Cyan (0%)
- Magenta (98%)
- Yellow (88%)
- Black (7%)





- Cyan (7%)
- Magenta (98%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1969, 0.6268, 0.3241 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 18.1969, 0.6268, 0.3241 by changing the saturation by 10% instead.


 18.1969, 0.6268,
0.3241


 18.1969, 0.6268,
0.3241


241.9785, 0.4579,
0.3496


 11.0914, 0.6653,
0.3077


 40.3726, 0.5663,
0.3407


 6.1284, 0.7159,
0.2841

 56.2115, 0.5429,
0.3446


 2.9233, 0.7592,
0.2408

 75.7305, 0.5231,
0.3471


 1.0918, 0.8191,
0.1809

 99.3138, 0.5061,
0.3485

 0.0000, 1.0000,
0.0000


 127.3459, 0.4915,
0.3493


 0.0000, 0.0000,
0.0000

 160.2111, 0.4788,

0.3497

 198.2938, 0.4677,
0.3497


 18.1969, 0.6268,
0.3241


 18.1969, 0.6268,
0.3241


 18.0707, 0.6307,
0.3248

 19.0933, 0.6012,
0.3195

 20.9457, 0.5632,
0.3162

 23.9570, 0.5185,
0.3149

 28.2759, 0.4734,
0.3152

 34.0289, 0.4323,
0.3168

■ 41.3275, 0.3969,
0.3192

■ 50.2721, 0.3677,
0.3218

■ 60.9548, 0.3441,
0.3245

■ 73.4609, 0.3250,
0.3271

Harmonies

Analogous

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



18.1969, 0.5475, 0.2461



18.1969, 0.6268, 0.3241



18.1969, 0.5810, 0.4180

Triad

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



18.1969, 0.6268, 0.3241



18.1969, 0.1981, 0.6091



18.1969, 0.1219, 0.1162

Complementary

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



18.1969, 0.6268, 0.3241



65.4602, 0.2335, 0.3598

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.



18.1969, 0.0824, 0.1340



18.1969, 0.6268, 0.3241



18.1969, 0.1080, 0.3741

Square

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



18.1969, 0.6268, 0.3241



18.1969, 0.3250, 0.6499



18.1969, 0.0761, 0.2034



18.1969, 0.2104, 0.1305

Rectangle

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



18.1969, 0.6268, 0.3241



18.1969, 0.5052, 0.4948



18.1969, 0.0761, 0.2034



18.1969, 0.1044, 0.1182

Sweetspot

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



18.1981, 0.6268, 0.3241



57.9761, 0.3709, 0.3215



20.4897, 0.2960, 0.1410



11.4111, 0.3830, 0.3203



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.



18.1981, 0.6268, 0.3241



21.3316, 0.6312, 0.3251



26.7112, 0.5676, 0.3858



15.0784, 0.3277, 0.3267



9.8734, 0.6284, 0.3235



0.7835, 0.6025, 0.3093

Inverse Universe

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



18.1981, 0.6268, 0.3241



21.3316, 0.6312, 0.3251



26.1509, 0.1873, 0.1932



15.0784, 0.3277, 0.3267



9.8734, 0.6284, 0.3235



0.7835, 0.6025, 0.3093

Previews

White Background



This preview shows how the Yxy color 18.1969, 0.6268, 0.3241 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 18.1969, 0.6268, 0.3241 looks on a black 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

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

Yxy 18.1969, 0.6268, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 18.1969, 0.6268, 0.3241.



This preview shows how white text looks on a background with the Yxy color 18.1969, 0.6268, 0.3241.

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

18.1969, 0.6268, 0.3241

Protanopia

18.6412, 0.4113, 0.4525

Deuteranopia

18.6139, 0.4695, 0.4654



Tritanopia

18.4067, 0.6342, 0.3347

Trichromacy



Original Color

18.1969, 0.6268, 0.3241

Protanomaly

14.2668, 0.5244, 0.3756

Deuteranomaly

14.8646, 0.5637, 0.3844

Tritanomaly

18.2254, 0.6330, 0.3312

Monochromacy



Original Color

18.1969, 0.6268, 0.3241

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.8343, 0.4821, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1969, 0.6268, 0.3241 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(237, 5, 28)` looks like.

```
.text, #text, p{  
    color:rgb(237, 5, 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(237, 5, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 5, 28) }
```

Border

The CSS property to change the border of an element to Yxy 18.1969, 0.6268, 0.3241 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(237, 5, 28) }
```

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

```
.border{ border-color:rgb(237, 5, 28) }
```

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

Here you see how a box with a 4 pixel rgb(237, 5, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 5, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 5, 28);  
box-shadow:4px 4px 4px 4px rgb(237, 5, 28)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.1969, 0.6268, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 5, 28) }
```

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

```
.background{ background-color: rgb(237, 5,  
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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