

Converting Colors

$Y_{xy}(18.2777, 0.6259, 0.3412)$

Have a look what the booklet for
Yxy(18.2777, 0.6259, 0.3412)
contains.

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Color

Yxy(18.3121, 0.6261, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	E72500
RGB	231, 37, 0
RGB Percent	91%, 15%, 0%
CMY	0.0942, 0.8546, 1.0000
CMYK	0.00, 0.84, 1.00, 0.09
HSL	10°, 100%, 45%
HSV	10°, 100%, 91%
XYZ	33.6124, 18.3121, 1.7609
YIQ	90.7880, 127.5010, 29.6210

Conversions

Conversions Part 2

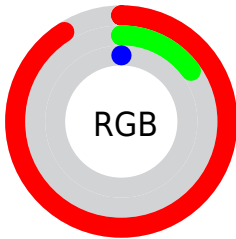
Format	Color
RYB	231, 44, 0
Decimal	15148288
CIELab	49.87, 69.65, 63.00
CIElCh	50, 93.912, 42.129
Yxy	18.3121, 0.6261, 0.3411
Android (android.graphics.Color)	4293338368 (0xFFE72500)
YUV	90.7880, -44.7585, 122.9659
Hunter-Lab	42.7926, 65.3197, 27.5151

Details

The Yxy color **18.3121, 0.6261, 0.3411** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **44.3151, 0.2101, 0.2763**, and the grayscale version is **10.5009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4661, 0.5458, 0.3658**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.3134, 0.6261, 0.3411**, and if you desaturate by 10%, it is **19.9214, 0.6028, 0.3476**.

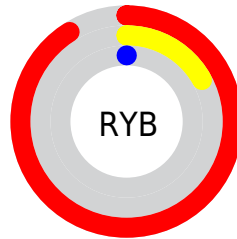
Distribution



Red (91%)

Green (15%)

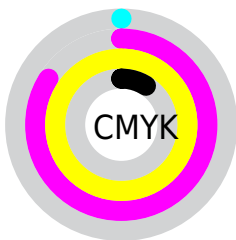
Blue (0%)



Red (91%)

Yellow (17%)

Blue (0%)

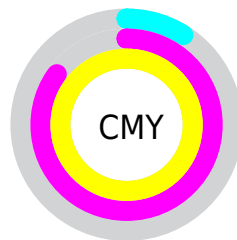


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3121, 0.6261, 0.3411 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 18.3121, 0.6261, 0.3411 by changing the saturation by 10% instead.


 18.3121, 0.6261,
0.3411


 18.3121, 0.6261,
0.3411


 242.6244, 0.4619,
0.3615


 11.1743, 0.6628,
0.3255


 40.5684, 0.5692,
0.3570


 6.1842, 0.7015,
0.2985


 56.4557, 0.5466,
0.3604


 2.9574, 0.7436,
0.2564


 76.0283, 0.5271,
0.3622

 1.1095, 0.8030,
0.1970

 99.6706, 0.5103,
0.3629

 0.0000, 1.0000,
0.0000


 127.7669, 0.4957,
0.3630


 0.0000, 0.0000,
0.0000


 160.7017, 0.4830,


0.3627


 198.8594, 0.4718,
0.3622

 18.3121, 0.6261,
0.3411

 18.3121, 0.6261,
0.3411


 18.3134, 0.6261,
0.3411

 19.9214, 0.6028,
0.3476

 22.3332, 0.5684,
0.3524

 25.6475, 0.5268,
0.3542

 29.9437, 0.4835,
0.3533

 35.2924, 0.4428,
0.3504

■ 41.7573, 0.4068,
0.3464

■ 49.3973, 0.3762,
0.3420

■ 58.2670, 0.3508,
0.3374

■ 68.4176, 0.3299,
0.3331

Harmonies

Analogous

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



18.3121, 0.5771, 0.2620



18.3121, 0.6261, 0.3411



18.3121, 0.5595, 0.4405

Triad

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



18.3121, 0.6261, 0.3411



18.3121, 0.1739, 0.5687



18.3121, 0.1352, 0.1162

Complementary

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



18.3121, 0.6261, 0.3411



44.3151, 0.2101, 0.2763

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.



18.3121, 0.0872, 0.1265



18.3121, 0.6261, 0.3411



18.3121, 0.0964, 0.3273

Square

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



18.3121, 0.6261, 0.3411



18.3121, 0.2964, 0.6619



18.3121, 0.0743, 0.1818



18.3121, 0.2373, 0.1369

Rectangle

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



18.3121, 0.6261, 0.3411



18.3121, 0.4780, 0.5220



18.3121, 0.0743, 0.1818



18.3121, 0.1144, 0.1160

Sweetspot

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



18.3134, 0.6261, 0.3411



61.6585, 0.3767, 0.3420



20.9870, 0.3635, 0.1776



12.2927, 0.3890, 0.3439



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.



18.3134, 0.6261, 0.3411



22.8404, 0.6267, 0.3406



38.8433, 0.4991, 0.4419



14.7396, 0.3288, 0.3328



10.3856, 0.6240, 0.3428



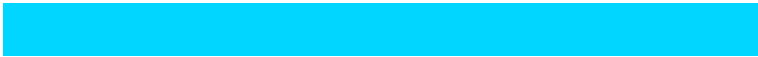
0.8815, 0.5986, 0.3629

Inverse Universe

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



44.3151, 0.2101, 0.2763



55.3534, 0.2100, 0.2760



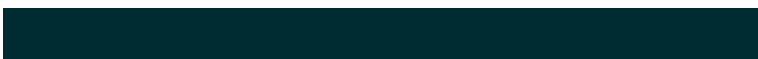
11.6303, 0.1639, 0.1098



15.9218, 0.2981, 0.3251



25.0011, 0.2104, 0.2772



1.9534, 0.2127, 0.2856

Previews

White Background



This preview shows how the Yxy color 18.3121, 0.6261, 0.3411 looks on a white background.

Color Contrast Check

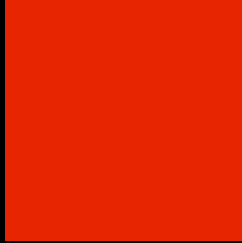
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3121, 0.6261, 0.3411 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 18.3121, 0.6261, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 18.3121, 0.6261, 0.3411.



This preview shows how white text looks on a background with the Yxy color 18.3121, 0.6261, 0.3411.

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

18.3121, 0.6261, 0.3411

Protanopia

18.5851, 0.4281, 0.4748

Deuteranopia

18.6139, 0.4695, 0.4654



Tritanopia

18.2953, 0.6123, 0.3313

Trichromacy



Original Color

18.3121, 0.6261, 0.3411

Protanomaly

15.7910, 0.5231, 0.4104

Deuteranomaly

16.3589, 0.5469, 0.4039

Tritanomaly

18.3012, 0.6194, 0.3362

Monochromacy



Original Color

18.3121, 0.6261, 0.3411

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.5627, 0.4719, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3121, 0.6261, 0.3411 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(231, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 37, 0)  
}
```

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(231, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 37, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.3121, 0.6261, 0.3411 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(231, 37, 0) }
```

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

```
.border{ border-color:rgb(231, 37, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 37, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 37, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.3121, 0.6261, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 37, 0) }
```

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

```
.background{ background-color: rgb(231, 37,  
0) }
```

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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