

Converting Colors

$Yxy(18.2308, 0.6118, 0.3144)$

Have a look what the booklet for
Yxy(18.2308, 0.6118, 0.3144)
contains.

Yxy(18.2018, 0.6122, 0.3146)	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(18.2018, 0.6122, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	ED002E
RGB	237, 0, 46
RGB Percent	93%, 0%, 18%
CMY	0.0706, 1.0000, 0.8195
CMYK	0.00, 1.00, 0.81, 0.07
HSL	348°, 100%, 46%
HSV	348°, 100%, 93%
XYZ	35.4200, 18.2018, 4.2351
YIQ	76.1070, 126.4860, 64.5500

Conversions

Conversions Part 2

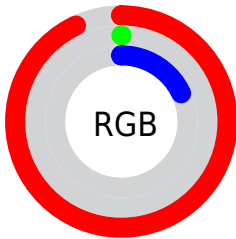
Format	Color
R_{YB}	237, 0, 46
Decimal	15532078
CIE _{Lab}	49.74, 76.45, 45.58
CIE _{LCh}	50, 89.005, 30.805
Yxy	18.2018, 0.6122, 0.3146
Android (android.graphics.Color)	4293722158 (0xFFED002E)
YUV	76.1070, -14.8428, 141.1032
Hunter-Lab	42.6636, 73.5325, 23.9789

Details

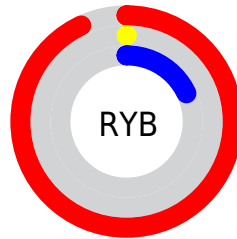
The Yxy color **18.2018, 0.6122, 0.3146** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **64.3313, 0.2426, 0.3932**, and the grayscale version is **7.2600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8790, 0.5199, 0.3296**, and **8.6601, 0.6394, 0.3296** is the 20% darker color. If you saturate the color by 10%, you get **18.2028, 0.6122, 0.3146**, and if you desaturate by 10%, it is **19.0298, 0.5838, 0.3068**.

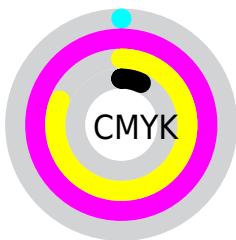
Distribution



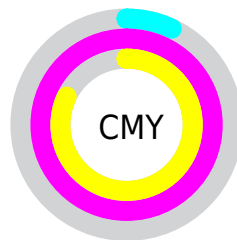
- Red (93%)
- Green (0%)
- Blue (18%)



- Red (93%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2018, 0.6122, 0.3146 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 18.2018, 0.6122, 0.3146 by changing the saturation by 10% instead.


 18.2018, 0.6122,
0.3146


 18.2018, 0.6122,
0.3146


242.0060, 0.4473,
0.3405


 11.0950, 0.6527,
0.2998


 40.3809, 0.5512,
0.3299


 6.1307, 0.7046,
0.2774

 56.2219, 0.5283,
0.3338

 2.9247, 0.7610,
0.2390

 75.7432, 0.5091,
0.3364

 1.0926, 0.8208,
0.1792

 99.3290, 0.4928,
0.3381

 0.0000, 1.0000,
0.0000

 127.3638, 0.4789,
0.3392

 0.0000, 0.0000,
0.0000

 160.2320, 0.4669,

0.3399

198.3179, 0.4565,
0.3403

■ 18.2018, 0.6122,
0.3146

■ 18.2018, 0.6122,
0.3146

■ 18.2028, 0.6122,
0.3146

■ 19.0298, 0.5838,
0.3068

■ 20.7148, 0.5466,
0.3014

■ 23.5115, 0.5049,
0.2994

■ 27.5711, 0.4637,
0.3005

■ 33.0212, 0.4262,
0.3039

■ 39.9737, 0.3938,
0.3085

■ 48.5289, 0.3669,
0.3137

■ 58.7787, 0.3449,
0.3190

■ 70.8079, 0.3271,
0.3242

Harmonies

Analogous

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



18.2018, 0.5123, 0.2375



18.2018, 0.6122, 0.3146



18.2018, 0.5857, 0.4018

Triad

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



18.2018, 0.6122, 0.3146



18.2018, 0.2244, 0.6176



18.2018, 0.1181, 0.1226

Complementary

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



18.2018, 0.6122, 0.3146



64.3313, 0.2426, 0.3932

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.



18.2018, 0.0850, 0.1473



18.2018, 0.6122, 0.3146



18.2018, 0.1261, 0.4112

Square

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



18.2018, 0.6122, 0.3146



18.2018, 0.3516, 0.6260



18.2018, 0.0847, 0.2288



18.2018, 0.1957, 0.1316

Rectangle

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



18.2018, 0.6122, 0.3146



18.2018, 0.5240, 0.4760



18.2018, 0.0847, 0.2288



18.2018, 0.1030, 0.1265

Sweetspot

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



18.2030, 0.6122, 0.3146



57.1664, 0.3672, 0.3137



17.0112, 0.2700, 0.1261



11.2719, 0.3780, 0.3114



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.



18.2030, 0.6122, 0.3146



21.4862, 0.6130, 0.3150



22.5253, 0.5988, 0.3627



15.1019, 0.3262, 0.3244



9.9521, 0.6087, 0.3127



0.7947, 0.5716, 0.2923

Inverse Universe

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



18.2030, 0.6122, 0.3146



21.4862, 0.6130, 0.3150



33.3527, 0.1962, 0.2264



15.1019, 0.3262, 0.3244



9.9521, 0.6087, 0.3127



0.7947, 0.5716, 0.2923

Previews

White Background



This preview shows how the Yxy color 18.2018, 0.6122, 0.3146 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 18.2018, 0.6122, 0.3146 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 18.2018, 0.6122, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 18.2018, 0.6122, 0.3146.



This preview shows how white text looks on a background with the Yxy color 18.2018, 0.6122, 0.3146.

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

18.2018, 0.6122, 0.3146

Protanopia

18.7261, 0.3849, 0.4179

Deuteranopia

18.6978, 0.4587, 0.4517



Tritanopia

18.3692, 0.6345, 0.3344

Trichromacy



Original Color

18.2018, 0.6122, 0.3146



Protanomaly

14.0738, 0.4954, 0.3475



Deuteranomaly

14.8315, 0.5480, 0.3698



Tritanomaly

18.1612, 0.6311, 0.3290

Monochromacy



Original Color

18.2018, 0.6122, 0.3146



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.6465, 0.4708, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2018, 0.6122, 0.3146 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, 0, 46)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 0, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 46) }
```

Border

The CSS property to change the border of an element to Yxy 18.2018, 0.6122, 0.3146 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, 0, 46) }
```

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

```
.border{ border-color:rgb(237, 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(237, 0, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 46)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2018, 0.6122, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 46) }
```

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

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