

Converting Colors

$Yxy(18.1426, 0.6188, 0.3335)$

Have a look what the booklet for
Yxy(18.1426, 0.6188, 0.3335)
contains.

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Color

Yxy(18.1426, 0.6188, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	E72118
RGB	231, 33, 24
RGB Percent	91%, 13%, 9%
CMY	0.0941, 0.8705, 0.9057
CMYK	0.00, 0.86, 0.90, 0.09
HSL	3°, 81%, 50%
HSV	3°, 90%, 91%
XYZ	33.6631, 18.1426, 2.5949
YIQ	91.1760, 120.8970, 39.1770

Conversions

Conversions Part 2

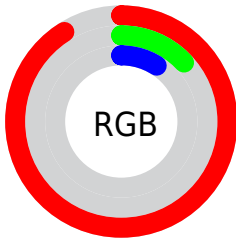
Format	Color
R_{YB}	231, 33, 24
Decimal	15147288
CIE Lab	49.67, 70.71, 55.67
CIE LCh	50, 89.989, 38.213
Yxy	18.1426, 0.6188, 0.3335
Android (android.graphics.Color)	4293337368 (0xFFE72118)
YUV	91.1760, -33.1178, 122.6256
Hunter-Lab	42.5941, 66.5328, 26.2038

Details

The Yxy color **18.1426, 0.6188, 0.3335** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **58.2172, 0.2226, 0.3167**, and the grayscale version is **10.5657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2438, 0.5346, 0.3539**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.2280, 0.6371, 0.3319**, and if you desaturate by 10%, it is **19.9393, 0.5856, 0.3351**.

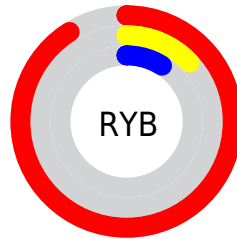
Distribution



Red (91%)

Green (13%)

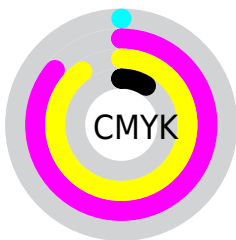
Blue (9%)



Red (91%)

Yellow (13%)

Blue (9%)

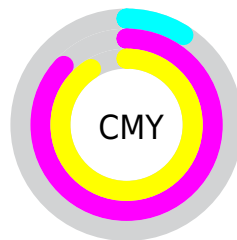


Cyan (0%)

Magenta (86%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (87%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1426, 0.6188, 0.3335 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 18.1426, 0.6188, 0.3335 by changing the saturation by 10% instead.


 18.1426, 0.6188,
0.3335


 18.1426, 0.6188,
0.3335


241.6736, 0.4543,
0.3539


 11.0524, 0.6562,
0.3182


 40.2802, 0.5599,
0.3483


 6.1021, 0.7047,
0.2953


 56.0963, 0.5372,
0.3515


 2.9073, 0.7473,
0.2527

 75.5899, 0.5178,
0.3534

 1.0835, 0.8071,
0.1929

 99.1454, 0.5012,
0.3543

 0.0000, 1.0000,
0.0000

 127.1471, 0.4870,
0.3546

 0.0000, 0.0000,
0.0000


 159.9794, 0.4746,


0.3546


 198.0268, 0.4638,
0.3543

 18.1426, 0.6188,
0.3335

 18.1426, 0.6188,
0.3335


 17.2280, 0.6371,
0.3319


 19.9393, 0.5856,
0.3351


 17.2055, 0.6377,
0.3319


 22.7732, 0.5418,
0.3359


 26.7702, 0.4946,
0.3357

 32.0375, 0.4498,
0.3350

 38.6701, 0.4106,
0.3339

 46.7540, 0.3778,
0.3326

 56.3681, 0.3510,
0.3313

 67.5856, 0.3294,
0.3301

 80.4750, 0.3121,
0.3290

Harmonies

Analogous

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



18.1426, 0.5512, 0.2552



18.1426, 0.6188, 0.3335



18.1426, 0.5685, 0.4280

Triad

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



18.1426, 0.6188, 0.3335



18.1426, 0.1941, 0.5833



18.1426, 0.1309, 0.1205

Complementary

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



18.1426, 0.6188, 0.3335



58.2172, 0.2226, 0.3167

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.



18.1426, 0.0885, 0.1357



18.1426, 0.6188, 0.3335



18.1426, 0.1089, 0.3559

Square

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



18.1426, 0.6188, 0.3335



18.1426, 0.3178, 0.6450



18.1426, 0.0800, 0.1994



18.1426, 0.2232, 0.1371

Rectangle

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



18.1426, 0.6188, 0.3335



18.1426, 0.4947, 0.5053



18.1426, 0.0800, 0.1994



18.1426, 0.1123, 0.1217

Sweetspot

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



18.1437, 0.6188, 0.3335



61.2653, 0.3707, 0.3323



23.0307, 0.3284, 0.1618



12.2905, 0.3807, 0.3327



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.



18.1437, 0.6188, 0.3335



21.5007, 0.6380, 0.3316



34.2219, 0.5136, 0.4215



14.4676, 0.3291, 0.3301



9.6923, 0.6368, 0.3326



0.7518, 0.6278, 0.3397

Inverse Universe

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



58.2172, 0.2226, 0.3167



71.8857, 0.2209, 0.3152



19.5487, 0.1809, 0.1638



16.2235, 0.2982, 0.3279



32.2691, 0.2210, 0.3155



2.4180, 0.2215, 0.3175

Previews

White Background



This preview shows how the Yxy color 18.1426, 0.6188, 0.3335 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 18.1426, 0.6188, 0.3335 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 18.1426, 0.6188, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 18.1426, 0.6188, 0.3335.



This preview shows how white text looks on a background with the Yxy color 18.1426, 0.6188, 0.3335.

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

18.1426, 0.6188, 0.3335

Protanopia

18.3546, 0.4176, 0.4588

Tritanopia

18.1107, 0.6161, 0.3312

Trichromacy



Original Color

18.1426, 0.6188, 0.3335

Protanomaly

15.5418, 0.5130, 0.3953

Tritanomaly

18.1011, 0.6175, 0.3320

Monochromacy



Original Color

18.1426, 0.6188, 0.3335

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.5363, 0.4561, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1426, 0.6188, 0.3335 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, 33, 24)` looks like.

```
.text, #text, p{  
  color:rgb(231, 33, 24)  
}
```

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, 33, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 33, 24) }
```

Border

The CSS property to change the border of an element to Yxy 18.1426, 0.6188, 0.3335 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, 33, 24) }
```

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

```
.border{ border-color:rgb(231, 33, 24) }
```

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

Here you see how a box with a 4 pixel rgb(231, 33, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 33, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 33, 24);  
box-shadow:4px 4px 4px 4px rgb(231, 33,  
24) }
```

Background

The CSS property to change the background color of an element to Yxy 18.1426, 0.6188, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 33, 24) }
```

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

```
.background{ background-color: rgb(231, 33,  
24) }
```

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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