

Converting Colors

$Y_{xy}(19.1684, 0.6287, 0.3390)$

Have a look what the booklet for
Yxy(19.1684, 0.6287, 0.3390)
contains.

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Color

Yxy(19.1486, 0.6286, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	ED2200
RGB	237, 34, 0
RGB Percent	93%, 13%, 0%
CMY	0.0706, 0.8665, 1.0000
CMYK	0.00, 0.86, 1.00, 0.07
HSL	9°, 100%, 46%
HSV	9°, 100%, 93%
XYZ	35.4963, 19.1486, 1.8239
YIQ	90.8210, 131.9020, 32.4620

Conversions

Conversions Part 2

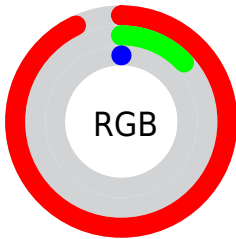
Format	Color
RYB	237, 40, 0
Decimal	15540736
CIELab	50.86, 71.88, 64.10
CIElCh	51, 96.309, 41.728
Yxy	19.1486, 0.6286, 0.3391
Android (android.graphics.Color)	4293730816 (0xFFED2200)
YUV	90.8210, -44.7748, 128.1990
Hunter-Lab	43.7591, 68.2165, 28.1601

Details

The Yxy color **19.1486, 0.6286, 0.3391** 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 **48.8093, 0.2117, 0.2821**, and the grayscale version is **10.5043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2660, 0.5468, 0.3649**, and **8.6579, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.1499, 0.6286, 0.3391**, and if you desaturate by 10%, it is **20.7378, 0.6061, 0.3451**.

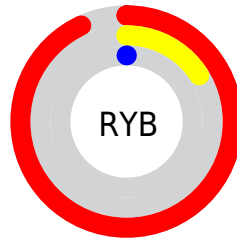
Distribution



Red (93%)

Green (13%)

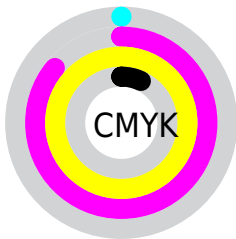
Blue (0%)



Red (93%)

Yellow (16%)

Blue (0%)

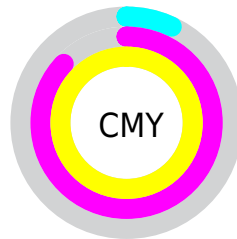


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (87%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1486, 0.6286, 0.3391 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 19.1486, 0.6286, 0.3391 by changing the saturation by 10% instead.


 19.1486, 0.6286,
0.3391


 19.1486, 0.6286,
0.3391


 247.2679, 0.4645,
0.3609


 11.7777, 0.6646,
0.3233


 41.9850, 0.5721,
0.3554

 6.5925, 0.7032,
0.2968


 58.2194, 0.5495,
0.3590


 3.2086, 0.7444,
0.2556


 78.1770, 0.5301,
0.3610

 1.2416, 0.8019,
0.1981

 102.2423, 0.5132,
0.3619

 0.0953, 0.9602,
0.0398

 130.7996, 0.4986,
0.3621


 0.0000, 1.0000,
0.0000

 164.2334, 0.4857,

 0.0000, 0.0000,


0.3620

0.0000


 202.9280, 0.4745,
0.3615


 19.1486, 0.6286,
0.3391


 19.1486, 0.6286,
0.3391

 19.1499, 0.6286,
0.3391

 20.7378, 0.6061,
0.3451


 23.1939, 0.5718,
0.3496

 26.6305, 0.5298,
0.3514


 31.1379, 0.4858,
0.3507

 36.7958, 0.4444,
0.3482

 43.6765, 0.4078,
0.3446

 51.8463, 0.3768,
0.3406

 61.3665, 0.3510,
0.3366

 72.2946, 0.3300,
0.3327

Harmonies

Analogous

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



19.1486, 0.5779, 0.2601



19.1486, 0.6286, 0.3391



19.1486, 0.5617, 0.4383

Triad

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



19.1486, 0.6286, 0.3391



19.1486, 0.1738, 0.5747



19.1486, 0.1331, 0.1149

Complementary

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



19.1486, 0.6286, 0.3391



48.8093, 0.2117, 0.2821

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.



19.1486, 0.0857, 0.1256



19.1486, 0.6286, 0.3391



19.1486, 0.0955, 0.3298

Square

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



19.1486, 0.6286, 0.3391



19.1486, 0.2969, 0.6645



19.1486, 0.0730, 0.1817



19.1486, 0.2348, 0.1352

Rectangle

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



19.1486, 0.6286, 0.3391



19.1486, 0.4797, 0.5203



19.1486, 0.0730, 0.1817



19.1486, 0.1125, 0.1148

Sweetspot

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



19.1499, 0.6286, 0.3391



61.0988, 0.3771, 0.3407



22.4310, 0.3584, 0.1748



12.1645, 0.3896, 0.3424



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.



19.1499, 0.6286, 0.3391



22.5595, 0.6290, 0.3388



39.8480, 0.5040, 0.4380



15.4029, 0.3289, 0.3325



10.5685, 0.6266, 0.3407



0.9388, 0.6039, 0.3587

Inverse Universe

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



48.8093, 0.2117, 0.2821



57.5613, 0.2116, 0.2819



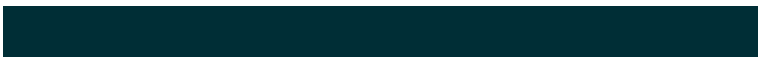
12.9143, 0.1650, 0.1141



16.7317, 0.2981, 0.3255



26.7980, 0.2119, 0.2829



2.2052, 0.2139, 0.2899

Previews

White Background



This preview shows how the Yxy color 19.1486, 0.6286, 0.3391 looks on a white 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

Black Background



This preview shows how the Yxy color 19.1486, 0.6286, 0.3391 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 19.1486, 0.6286, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 19.1486, 0.6286, 0.3391.



This preview shows how white text looks on a background with the Yxy color 19.1486, 0.6286, 0.3391.

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

19.1486, 0.6286, 0.3391

Protanopia

19.3261, 0.4289, 0.4737

Deuteranopia

19.3608, 0.4700, 0.4650



Tritanopia

19.1214, 0.6181, 0.3315

Trichromacy



Original Color

19.1486, 0.6286, 0.3391

Protanomaly

16.2402, 0.5271, 0.4076

Deuteranomaly

16.8459, 0.5502, 0.4013

Tritanomaly

19.1359, 0.6230, 0.3351

Monochromacy



Original Color

19.1486, 0.6286, 0.3391

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.6151, 0.4761, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1486, 0.6286, 0.3391 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, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 34, 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(237, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 34, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.1486, 0.6286, 0.3391 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, 34, 0) }
```

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

```
.border{ border-color:rgb(237, 34, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 34, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 34, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 34, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 34, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.1486, 0.6286, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 34, 0) }
```

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

```
.background{ background-color: rgb(237, 34,  
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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