

Converting Colors

$Yxy(19.9386, 0.6328, 0.3299)$

Have a look what the booklet for
Yxy(19.9386, 0.6328, 0.3299)
contains.

Yxy(19.9386, 0.6328, 0.3299)	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(19.9386, 0.6328, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	F60E0E
RGB	246, 14, 14
RGB Percent	96%, 5%, 5%
CMY	0.0353, 0.9452, 0.9444
CMYK	0.00, 0.94, 0.94, 0.04
HSL	360°, 93%, 51%
HSV	360°, 94%, 96%
XYZ	38.2454, 19.9386, 2.2543
YIQ	83.3680, 138.2720, 49.1840

Conversions

Conversions Part 2

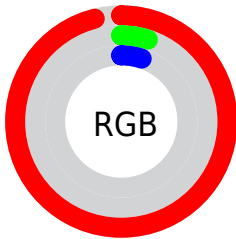
Format	Color
R_{YB}	246, 14, 14
Decimal	16125454
CIE _{Lab}	51.77, 77.03, 61.92
CIE _{LCh}	52, 98.834, 38.795
Yxy	19.9386, 0.6328, 0.3299
Android (android.graphics.Color)	4294315534 (0xFFFF60E0E)
YUV	83.3680, -34.1984, 142.6283
Hunter-Lab	44.6527, 74.7445, 28.2635

Details

The Yxy color **19.9386, 0.6328, 0.3299** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **72.6517, 0.2253, 0.3290**, and the grayscale version is **8.7812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3887, 0.5446, 0.3552**, and **9.5837, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.5946, 0.6400, 0.3299**, and if you desaturate by 10%, it is **21.1627, 0.6091, 0.3298**.

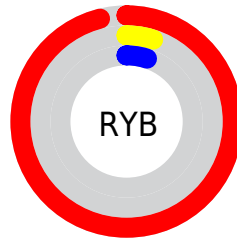
Distribution



Red (96%)

Green (5%)

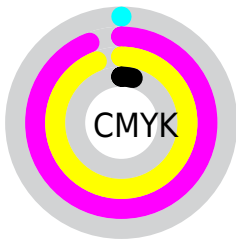
Blue (5%)



Red (96%)

Yellow (5%)

Blue (5%)

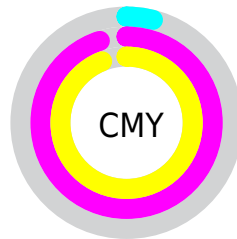


Cyan (0%)

Magenta (94%)

Yellow (94%)

Black (4%)



Cyan (4%)

Magenta (95%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9386, 0.6328, 0.3299 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 19.9386, 0.6328, 0.3299 by changing the saturation by 10% instead.


 19.9386, 0.6328,
0.3299


 19.9386, 0.6328,
0.3299


251.5825, 0.4662,
0.3555


 12.3504, 0.6687,
0.3134


 43.3142, 0.5751,
0.3470


 6.9828, 0.7115,
0.2885


 59.8704, 0.5521,
0.3511

 3.4513, 0.7524,
0.2476

 80.1848, 0.5324,
0.3535

 1.3717, 0.8084,
0.1916

 104.6417, 0.5154,
0.3549

 0.1957, 0.9337,
0.0663

 133.6255, 0.5006,
0.3556


 0.0000, 1.0000,
0.0000


 167.5207, 0.4876,


 0.0000, 0.0000,

0.3558

0.0000


 206.7116, 0.4762,
0.3558

 19.9386, 0.6328,
0.3299


 19.9386, 0.6328,
0.3299


 19.5946, 0.6400,
0.3299

 21.1627, 0.6091,
0.3298

 23.5321, 0.5702,
0.3297

 27.2412, 0.5230,
0.3295

 32.4484, 0.4750,
0.3294

 39.2895, 0.4314,
0.3293

■ 47.8855, 0.3942,
0.3292

■ 58.3458, 0.3638,
0.3291

■ 70.7709, 0.3393,
0.3291

■ 85.2543, 0.3199,
0.3290

Harmonies

Analogous

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



19.9386, 0.5678, 0.2515



19.9386, 0.6328, 0.3299



19.9386, 0.5734, 0.4266

Triad

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



19.9386, 0.6328, 0.3299



19.9386, 0.1827, 0.5992



19.9386, 0.1250, 0.1131

Complementary

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



19.9386, 0.6328, 0.3299



72.6517, 0.2253, 0.3290

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.



19.9386, 0.0816, 0.1270



19.9386, 0.6328, 0.3299



19.9386, 0.0984, 0.3511

Square

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



19.9386, 0.6328, 0.3299



19.9386, 0.3084, 0.6632



19.9386, 0.0719, 0.1894



19.9386, 0.2207, 0.1304

Rectangle

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



19.9386, 0.6328, 0.3299



19.9386, 0.4926, 0.5074



19.9386, 0.0719, 0.1894



19.9386, 0.1060, 0.1139

Sweetspot

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



19.9399, 0.6328, 0.3299



58.8214, 0.3744, 0.3291



25.8699, 0.3169, 0.1533



11.5575, 0.3878, 0.3292



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.



19.9399, 0.6328, 0.3299



21.2605, 0.6400, 0.3299



34.5801, 0.5371, 0.4076



16.4828, 0.3294, 0.3290



10.4582, 0.6400, 0.3299



0.9193, 0.6398, 0.3298

Inverse Universe

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



19.9399, 0.6328, 0.3299



21.2605, 0.6400, 0.3299



23.7594, 0.1815, 0.1703



16.4828, 0.3294, 0.3290



10.4582, 0.6400, 0.3299



0.9193, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 19.9386, 0.6328, 0.3299 looks on a white background.

Color Contrast Check

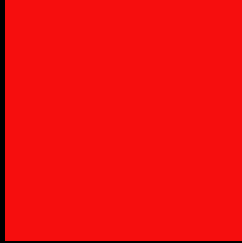
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9386, 0.6328, 0.3299 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 19.9386, 0.6328, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 19.9386, 0.6328, 0.3299.



This preview shows how white text looks on a background with the Yxy color 19.9386, 0.6328, 0.3299.

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

19.9386, 0.6328, 0.3299

Protanopia

20.3763, 0.4242, 0.4677

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

19.9863, 0.6346, 0.3343

Trichromacy



Original Color

19.9386, 0.6328, 0.3299

Protanomaly

16.1694, 0.5335, 0.3910

Deuteranomaly

16.5671, 0.5615, 0.3895

Tritanomaly

19.8892, 0.6342, 0.3327

Monochromacy



Original Color

19.9386, 0.6328, 0.3299

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.0824, 0.4873, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9386, 0.6328, 0.3299 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(246, 14, 14)` looks like.

```
.text, #text, p{  
    color:rgb(246, 14, 14)  
}
```

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(246, 14, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 14, 14) }
```

Border

The CSS property to change the border of an element to Yxy 19.9386, 0.6328, 0.3299 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(246, 14, 14) }
```

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

```
.border{ border-color:rgb(246, 14, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 14, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 14, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 14, 14);  
box-shadow:4px 4px 4px 4px rgb(246, 14,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9386, 0.6328, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 14, 14) }
```

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

```
.background{ background-color: rgb(246, 14,  
14) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor