

Converting Colors

$Y_{xy}(19.8593, 0.6372, 0.3284)$

Have a look what the booklet for
Yxy(19.8593, 0.6372, 0.3284)
contains.

Yxy(19.7961, 0.6371, 0.3283)	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(19.7961, 0.6371, 0.3283)

Conversions

Conversions Part 1

Format	Color
Hex	F7000A
RGB	247, 0, 10
RGB Percent	97%, 0%, 4%
CMY	0.0313, 1.0000, 0.9604
CMYK	0.00, 1.00, 0.96, 0.03
HSL	358°, 100%, 48%
HSV	358°, 100%, 97%
XYZ	38.4164, 19.7961, 2.0863
YIQ	74.9930, 144.0020, 55.4740

Conversions

Conversions Part 2

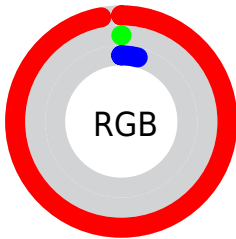
Format	Color
RYB	247, 0, 10
Decimal	16187402
CIELab	51.61, 78.28, 63.04
CIElCh	52, 100.508, 38.847
Yxy	19.7961, 0.6371, 0.3283
Android (android.graphics.Color)	4294377482 (0xFFFF7000A)
YUV	74.9930, -32.0415, 150.8501
Hunter-Lab	44.4928, 76.2596, 28.3648

Details

The Yxy color **19.7961, 0.6371, 0.3283** 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 **72.6379, 0.2282, 0.3415**, and the grayscale version is **7.0768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8033, 0.5500, 0.3546**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.7985, 0.6371, 0.3283**, and if you desaturate by 10%, it is **20.5732, 0.6191, 0.3267**.

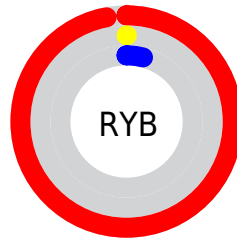
Distribution



Red (97%)

Green (0%)

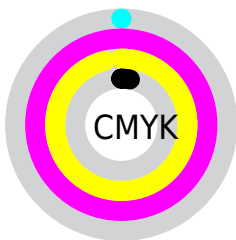
Blue (4%)



Red (97%)

Yellow (0%)

Blue (4%)

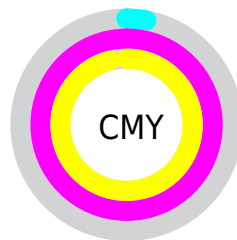


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (3%)



Cyan (3%)


Magenta (100%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7961, 0.6371, 0.3283 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 19.7961, 0.6371, 0.3283 by changing the saturation by 10% instead.


 19.7961, 0.6371,
0.3283

 19.7961, 0.6371,
0.3283


250.8091, 0.4689,
0.3557


 12.2469, 0.6732,
0.3113


 43.0751, 0.5792,
0.3463


 6.9121, 0.7148,
0.2852


 59.5736, 0.5560,
0.3506


 3.4072, 0.7561,
0.2439

 79.8241, 0.5361,
0.3533

 1.3478, 0.8124,
0.1876

 104.2109, 0.5188,
0.3548

 0.1778, 0.9400,
0.0600

 133.1184, 0.5038,
0.3556


 0.0000, 1.0000,
0.0000


 166.9310, 0.4907,


 0.0000, 0.0000,


0.3559


0.0000


 206.0331, 0.4791,
0.3559


 19.7961, 0.6371,
0.3283

 19.7961, 0.6371,
0.3283


 19.7985, 0.6371,
0.3283


 20.5732, 0.6191,
0.3267


 22.3070, 0.5859,
0.3249


 25.2844, 0.5420,
0.3239


 29.6802, 0.4946,
0.3237

 35.6413, 0.4496,
0.3241

 43.2963, 0.4103,
0.3249

 52.7605, 0.3775,
0.3259

 64.1391, 0.3510,
0.3270

 77.5291, 0.3297,
0.3280

Harmonies

Analogous

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



19.7961, 0.5725, 0.2499



19.7961, 0.6371, 0.3283



19.7961, 0.5747, 0.4253

Triad

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



19.7961, 0.6371, 0.3283



19.7961, 0.1795, 0.6051



19.7961, 0.1230, 0.1108

Complementary

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



19.7961, 0.6371, 0.3283



72.6379, 0.2282, 0.3415

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.



19.7961, 0.0794, 0.1245



19.7961, 0.6371, 0.3283



19.7961, 0.0954, 0.3504

Square

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



19.7961, 0.6371, 0.3283



19.7961, 0.3059, 0.6688



19.7961, 0.0694, 0.1867



19.7961, 0.2194, 0.1283

Rectangle

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



19.7961, 0.6371, 0.3283



19.7961, 0.4925, 0.5075



19.7961, 0.0694, 0.1867



19.7961, 0.1039, 0.1116

Sweetspot

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



19.7985, 0.6371, 0.3283



56.6622, 0.3777, 0.3259



24.3207, 0.3082, 0.1472



11.1569, 0.3907, 0.3255



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.



19.7985, 0.6371, 0.3283



21.2829, 0.6372, 0.3284



31.1791, 0.5582, 0.3950



16.4935, 0.3287, 0.3281



10.4746, 0.6358, 0.3276



0.9244, 0.6251, 0.3217

Inverse Universe

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



19.7985, 0.6371, 0.3283



21.2829, 0.6372, 0.3284



24.2841, 0.1811, 0.1720



16.4935, 0.3287, 0.3281



10.4746, 0.6358, 0.3276



0.9244, 0.6251, 0.3217

Previews

White Background



This preview shows how the Yxy color 19.7961, 0.6371, 0.3283 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 19.7961, 0.6371, 0.3283 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 19.7961, 0.6371, 0.3283

Background



This preview shows how black text looks on a background with the Yxy color 19.7961, 0.6371, 0.3283.



This preview shows how white text looks on a background with the Yxy color 19.7961, 0.6371, 0.3283.

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

19.7961, 0.6371, 0.3283

Protanopia

20.3582, 0.4261, 0.4705

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.0253, 0.6343, 0.3346

Trichromacy



Original Color

19.7961, 0.6371, 0.3283

Protanomaly

15.3912, 0.5439, 0.3869

Deuteranomaly

15.9881, 0.5700, 0.3833

Tritanomaly

19.9432, 0.6357, 0.3319

Monochromacy



Original Color

19.7961, 0.6371, 0.3283

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.7562, 0.5082, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7961, 0.6371, 0.3283 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(247, 0, 10)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 10)  
}
```

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(247, 0, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 10) }
```

Border

The CSS property to change the border of an element to Yxy 19.7961, 0.6371, 0.3283 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(247, 0, 10) }
```

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

```
.border{ border-color:rgb(247, 0, 10) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7961, 0.6371, 0.3283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 10) }
```

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

```
.background{ background-color: rgb(247, 0,  
10) }
```

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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