

Converting Colors

$Yxy(19.8633, 0.6368, 0.3282)$

Have a look what the booklet for
Yxy(19.8633, 0.6368, 0.3282)
contains.

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Color

Yxy(19.7983, 0.6368, 0.3282)

Conversions

Conversions Part 1

Format	Color
Hex	F7000B
RGB	247, 0, 11
RGB Percent	97%, 0%, 4%
CMY	0.0314, 0.9993, 0.9571
CMYK	0.00, 1.00, 0.96, 0.03
HSL	357°, 100%, 48%
HSV	357°, 100%, 97%
XYZ	38.4143, 19.7983, 2.1113
YIQ	75.1070, 143.6810, 55.7850

Conversions

Conversions Part 2

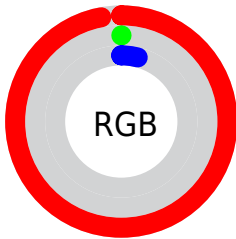
Format	Color
RYB	247, 0, 11
Decimal	16187403
CIELab	51.61, 78.26, 62.83
CIElCh	52, 100.364, 38.761
Yxy	19.7983, 0.6368, 0.3282
Android (android.graphics.Color)	4294377483 (0xFFFF7000B)
YUV	75.1070, -31.6048, 150.7502
Hunter-Lab	44.4953, 76.2382, 28.3333

Details

The Yxy color **19.7983, 0.6368, 0.3282** 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 **72.5839, 0.2284, 0.3424**, and the grayscale version is **7.1139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8146, 0.5491, 0.3539**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.7951, 0.6369, 0.3282**, and if you desaturate by 10%, it is **20.5806, 0.6185, 0.3264**.

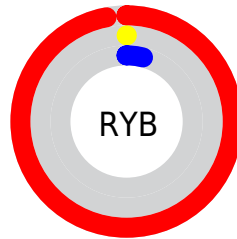
Distribution



Red (97%)

Green (0%)

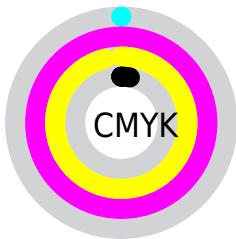
Blue (4%)



Red (97%)

Yellow (0%)

Blue (4%)

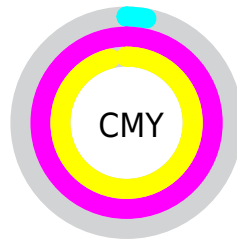


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (3%)



Cyan (3%)


Magenta (100%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7983, 0.6368, 0.3282 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 19.7983, 0.6368, 0.3282 by changing the saturation by 10% instead.


 19.7983, 0.6368,
0.3282


 19.7983, 0.6368,
0.3282


250.8211, 0.4686,
0.3555


 12.2485, 0.6729,
0.3112


 43.0788, 0.5788,
0.3461


 6.9132, 0.7147,
0.2853


 59.5782, 0.5557,
0.3504


 3.4078, 0.7560,
0.2440

 79.8297, 0.5357,
0.3531

 1.3482, 0.8124,
0.1876

 104.2176, 0.5185,
0.3546

 0.1781, 0.9399,
0.0601

 133.1263, 0.5035,
0.3554

 0.0000, 1.0000,
0.0000


 166.9402, 0.4904,

 0.0000, 0.0000,


0.3557


0.0000

 206.0436, 0.4788,
0.3557


 19.7983, 0.6368,
0.3282

 19.7983, 0.6368,
0.3282


 19.7951, 0.6369,
0.3282

 20.5806, 0.6185,
0.3264

 22.3247, 0.5851,
0.3246

 25.3132, 0.5411,
0.3235

 29.7205, 0.4937,
0.3233

 35.6931, 0.4489,
0.3238

■ 43.3595, 0.4097,
0.3246

■ 52.8347, 0.3771,
0.3257

■ 64.2237, 0.3507,
0.3268

■ 77.6236, 0.3295,
0.3280

Harmonies

Analogous

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



19.7983, 0.5718, 0.2498



19.7983, 0.6368, 0.3282



19.7983, 0.5749, 0.4251

Triad

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



19.7983, 0.6368, 0.3282



19.7983, 0.1801, 0.6052



19.7983, 0.1229, 0.1110

Complementary

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



19.7983, 0.6368, 0.3282



72.5839, 0.2284, 0.3424

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.



19.7983, 0.0795, 0.1248



19.7983, 0.6368, 0.3282



19.7983, 0.0958, 0.3510

Square

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



19.7983, 0.6368, 0.3282



19.7983, 0.3065, 0.6682



19.7983, 0.0696, 0.1872



19.7983, 0.2191, 0.1284

Rectangle

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



19.7983, 0.6368, 0.3282



19.7983, 0.4929, 0.5071



19.7983, 0.0696, 0.1872



19.7983, 0.1039, 0.1118

Sweetspot

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



19.7996, 0.6368, 0.3282



56.6705, 0.3775, 0.3257



24.3205, 0.3082, 0.1472



11.1588, 0.3905, 0.3252



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.



19.7996, 0.6368, 0.3282



21.2844, 0.6370, 0.3283



31.1947, 0.5580, 0.3951



16.4942, 0.3287, 0.3280



10.4757, 0.6355, 0.3275



0.9247, 0.6242, 0.3212

Inverse Universe

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



19.7996, 0.6368, 0.3282



21.2844, 0.6370, 0.3283



24.3033, 0.1812, 0.1721



16.4942, 0.3287, 0.3280



10.4757, 0.6355, 0.3275



0.9247, 0.6242, 0.3212

Previews

White Background



This preview shows how the Yxy color 19.7983, 0.6368, 0.3282 looks on a white background.

Color Contrast Check

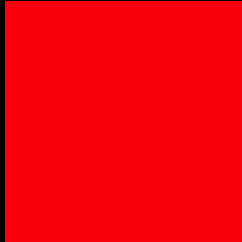
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7983, 0.6368, 0.3282 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 19.7983, 0.6368, 0.3282

Background



This preview shows how black text looks on a background with the Yxy color 19.7983, 0.6368, 0.3282.



This preview shows how white text looks on a background with the Yxy color 19.7983, 0.6368, 0.3282.

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

19.7983, 0.6368, 0.3282

Protanopia

20.3640, 0.4255, 0.4696

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.0253, 0.6343, 0.3346

Trichromacy



Original Color

19.7983, 0.6368, 0.3282



Protanomaly

15.3956, 0.5432, 0.3863



Deuteranomaly

15.9881, 0.5700, 0.3833



Tritanomaly

19.9432, 0.6357, 0.3319

Monochromacy



Original Color

19.7983, 0.6368, 0.3282



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

7.7651, 0.5060, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7983, 0.6368, 0.3282 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, 11)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 11) }
```

Border

The CSS property to change the border of an element to Yxy 19.7983, 0.6368, 0.3282 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, 11) }
```

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

```
.border{ border-color:rgb(247, 0, 11) }
```

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, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 11);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 11)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7983, 0.6368, 0.3282 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, 11) }
```

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

```
.background{ background-color: rgb(247, 0,  
11) }
```

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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