

Converting Colors

$Yxy(19.8417, 0.6396, 0.3297)$

Have a look what the booklet for
Yxy(19.8417, 0.6396, 0.3297)
contains.

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Color

Yxy(19.7785, 0.6395, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	F70002
RGB	247, 0, 2
RGB Percent	97%, 0%, 1%
CMY	0.0313, 1.0000, 0.9919
CMYK	0.00, 1.00, 0.99, 0.03
HSL	359°, 100%, 48%
HSV	359°, 100%, 97%
XYZ	38.3749, 19.7785, 1.8542
YIQ	74.0810, 146.5700, 52.9860

Conversions

Conversions Part 2

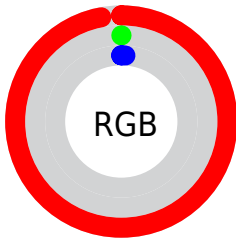
Format	Color
RYB	247, 0, 2
Decimal	16187394
CIELab	51.59, 78.23, 65.07
CIELCh	52, 101.757, 39.753
Yxy	19.7785, 0.6395, 0.3296
Android (android.graphics.Color)	4294377474 (0xFFFF70002)
YUV	74.0810, -35.5359, 151.6500
Hunter-Lab	44.4730, 76.1962, 28.6591

Details

The Yxy color **19.7785, 0.6395, 0.3296** 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 **73.1248, 0.2254, 0.3313**, and the grayscale version is **6.9102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7602, 0.5535, 0.3571**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.7826, 0.6395, 0.3296**, and if you desaturate by 10%, it is **20.5378, 0.6238, 0.3293**.

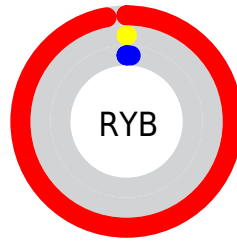
Distribution



Red (97%)

Green (0%)

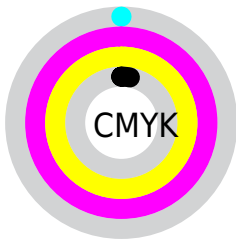
Blue (1%)



Red (97%)

Yellow (0%)

Blue (1%)

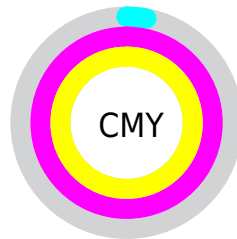


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (3%)



Cyan (3%)


Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7785, 0.6395, 0.3296 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 19.7785, 0.6395, 0.3296 by changing the saturation by 10% instead.


 19.7785, 0.6395,
0.3296


 19.7785, 0.6395,
0.3296


 250.7135, 0.4713,
0.3575


 12.2341, 0.6757,
0.3125


 43.0455, 0.5821,
0.3481


 6.9033, 0.7147,
0.2853


 59.5369, 0.5589,
0.3525

 3.4017, 0.7561,
0.2439

 79.7795, 0.5390,
0.3552

 1.3449, 0.8124,
0.1876

 104.1577, 0.5216,
0.3568

 0.1756, 0.9406,
0.0594

 133.0557, 0.5065,
0.3576


 0.0000, 1.0000,
0.0000

 166.8581, 0.4933,

 0.0000, 0.0000,

0.3578


0.0000


 205.9492, 0.4816,
0.3578


 19.7785, 0.6395,
0.3296

 19.7785, 0.6395,
0.3296

 19.7826, 0.6395,
0.3296

 20.5378, 0.6238,
0.3293

 22.2482, 0.5925,
0.3289

 25.2054, 0.5489,
0.3286

 29.5865, 0.5007,
0.3284

 35.5400, 0.4544,
0.3283

■ 43.1959, 0.4137,
0.3284

■ 52.6705, 0.3798,
0.3285

■ 64.0701, 0.3523,
0.3287

■ 77.4926, 0.3303,
0.3288

Harmonies

Analogous

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



19.7785, 0.5798, 0.2511



19.7785, 0.6395, 0.3296



19.7785, 0.5724, 0.4276

Triad

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



19.7785, 0.6395, 0.3296



19.7785, 0.1741, 0.6029



19.7785, 0.1235, 0.1094

Complementary

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



19.7785, 0.6395, 0.3296



73.1248, 0.2254, 0.3313

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.



19.7785, 0.0787, 0.1219



19.7785, 0.6395, 0.3296



19.7785, 0.0919, 0.3430

Square

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



19.7785, 0.6395, 0.3296



19.7785, 0.3002, 0.6743



19.7785, 0.0677, 0.1820



19.7785, 0.2224, 0.1278

Rectangle

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



19.7785, 0.6395, 0.3296



19.7785, 0.4884, 0.5116



19.7785, 0.0677, 0.1820



19.7785, 0.1039, 0.1099

Sweetspot

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



19.7826, 0.6395, 0.3296



56.5604, 0.3799, 0.3285



25.7544, 0.3167, 0.1518



11.1339, 0.3935, 0.3285



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.



19.7826, 0.6395, 0.3296



21.2647, 0.6395, 0.3296



33.0656, 0.5483, 0.4028



16.4848, 0.3293, 0.3289



10.4613, 0.6392, 0.3295



0.9202, 0.6369, 0.3282

Inverse Universe

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



19.7826, 0.6395, 0.3296



21.2647, 0.6395, 0.3296



22.0581, 0.1779, 0.1604



16.4848, 0.3293, 0.3289



10.4613, 0.6392, 0.3295



0.9202, 0.6369, 0.3282

Previews

White Background



This preview shows how the Yxy color 19.7785, 0.6395, 0.3296 looks on a white background.

Color Contrast Check

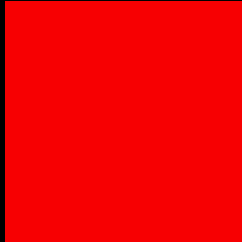
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7785, 0.6395, 0.3296 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 19.7785, 0.6395, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 19.7785, 0.6395, 0.3296.



This preview shows how white text looks on a background with the Yxy color 19.7785, 0.6395, 0.3296.

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

19.7785, 0.6395, 0.3296

Protanopia

20.3470, 0.4273, 0.4723

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.0253, 0.6343, 0.3346

Trichromacy



Original Color

19.7785, 0.6395, 0.3296



Protanomaly

15.3752, 0.5466, 0.3892



Deuteranomaly

15.9815, 0.5711, 0.3842



Tritanomaly

19.9367, 0.6365, 0.3324

Monochromacy



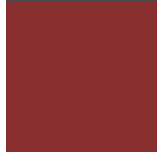
Original Color

19.7785, 0.6395, 0.3296



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.5648, 0.5145, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7785, 0.6395, 0.3296 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 19.7785, 0.6395, 0.3296 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, 2) }
```

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

```
.border{ border-color:rgb(247, 0, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(247, 0, 2); box-shadow:4px  
4px 4px 4px rgb(247, 0, 2) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7785, 0.6395, 0.3296 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, 2) }
```

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

```
.background{ background-color: rgb(247, 0,  
2) }
```

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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