

Converting Colors

$Y_{xy}(19.7078, 0.6320, 0.3363)$

Have a look what the booklet for
Yxy(19.7078, 0.6320, 0.3363)
contains.

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Color

Yxy(19.7078, 0.6320, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	F21C00
RGB	242, 28, 0
RGB Percent	95%, 11%, 0%
CMY	0.0509, 0.8902, 0.9992
CMYK	0.00, 0.88, 1.00, 0.05
HSL	7°, 100%, 47%
HSV	7°, 100%, 95%
XYZ	37.0364, 19.7078, 1.8577
YIQ	88.7940, 136.5320, 36.6600

Conversions

Conversions Part 2

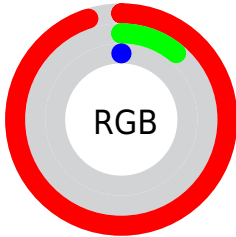
Format	Color
RYB	242, 32, 0
Decimal	15866880
CIELab	51.51, 74.23, 64.90
CIELCh	52, 98.602, 41.163
Yxy	19.7078, 0.6320, 0.3363
Android (android.graphics.Color)	4294056960 (0xFFFF21C00)
YUV	88.7940, -43.7754, 134.3617
Hunter-Lab	44.3935, 71.2295, 28.5944

Details

The Yxy color **19.7078, 0.6320, 0.3363** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **54.6175, 0.2144, 0.2918**, and the grayscale version is **10.0219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8728, 0.5487, 0.3631**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.7002, 0.6321, 0.3363**, and if you desaturate by 10%, it is **21.1772, 0.6108, 0.3412**.

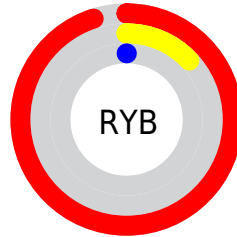
Distribution



Red (95%)

Green (11%)

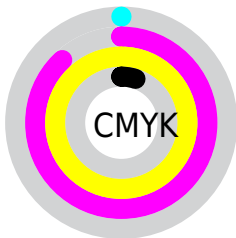
Blue (0%)



Red (95%)

Yellow (13%)

Blue (0%)

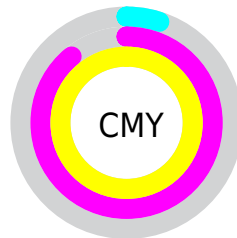


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7078, 0.6320, 0.3363 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 19.7078, 0.6320, 0.3363 by changing the saturation by 10% instead.


 19.7078, 0.6320,
0.3363


 19.7078, 0.6320,
0.3363


 250.3289, 0.4672,
0.3600


 12.1828, 0.6677,
0.3201


 42.9267, 0.5756,
0.3533


 6.8683, 0.7062,
0.2938


 59.3895, 0.5529,
0.3571


 3.3799, 0.7470,
0.2530


 79.6003, 0.5333,
0.3593

 1.3331, 0.8034,
0.1966

 103.9435, 0.5164,
0.3604

 0.1666, 0.9387,
0.0613

 132.8036, 0.5016,
0.3609


 0.0000, 1.0000,
0.0000


 166.5649, 0.4887,


 0.0000, 0.0000,


0.3608

0.0000


 205.6119, 0.4773,
0.3605


 19.7078, 0.6320,
0.3363


 19.7078, 0.6320,
0.3363


 19.7002, 0.6321,
0.3363

 21.1772, 0.6108,
0.3412

 23.5817, 0.5768,
0.3451

 27.0544, 0.5341,
0.3468

 31.7015, 0.4890,
0.3464

 37.6164, 0.4464,
0.3444

■ 44.8829, 0.4089,
0.3416

■ 53.5777, 0.3773,
0.3383

■ 63.7715, 0.3512,
0.3351

■ 75.5305, 0.3299,
0.3319

Harmonies

Analogous

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



19.7078, 0.5788, 0.2574



19.7078, 0.6320, 0.3363



19.7078, 0.5648, 0.4352

Triad

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



19.7078, 0.6320, 0.3363



19.7078, 0.1737, 0.5830



19.7078, 0.1302, 0.1132

Complementary

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



19.7078, 0.6320, 0.3363



54.6175, 0.2144, 0.2918

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.



19.7078, 0.0835, 0.1244



19.7078, 0.6320, 0.3363



19.7078, 0.0942, 0.3333

Square

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



19.7078, 0.6320, 0.3363



19.7078, 0.2977, 0.6678



19.7078, 0.0713, 0.1816



19.7078, 0.2312, 0.1329

Rectangle

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



19.7078, 0.6320, 0.3363



19.7078, 0.4821, 0.5179



19.7078, 0.0713, 0.1816



19.7078, 0.1099, 0.1132

Sweetspot

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



19.7091, 0.6320, 0.3363



60.1587, 0.3778, 0.3384



23.9359, 0.3483, 0.1692



11.9497, 0.3905, 0.3398



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.



19.7091, 0.6320, 0.3363



22.1537, 0.6324, 0.3361



39.2172, 0.5135, 0.4304



16.0512, 0.3290, 0.3318



10.6810, 0.6304, 0.3377



0.9836, 0.6116, 0.3525

Inverse Universe

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



54.6175, 0.2144, 0.2918



61.4478, 0.2144, 0.2916



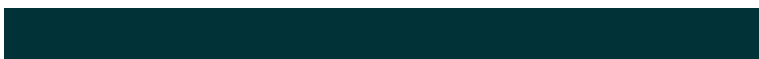
14.9479, 0.1677, 0.1235



17.6006, 0.2981, 0.3262



29.4617, 0.2146, 0.2924



2.5382, 0.2160, 0.2977

Previews

White Background



This preview shows how the Yxy color 19.7078, 0.6320, 0.3363 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 19.7078, 0.6320, 0.3363 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 19.7078, 0.6320, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 19.7078, 0.6320, 0.3363.



This preview shows how white text looks on a background with the Yxy color 19.7078, 0.6320, 0.3363.

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

19.7078, 0.6320, 0.3363

Protanopia

20.0032, 0.4279, 0.4728

Tritanopia

19.7116, 0.6256, 0.3321

Trichromacy



Original Color

19.7078, 0.6320, 0.3363

Protanomaly

16.4254, 0.5305, 0.4034

Tritanomaly

19.6902, 0.6285, 0.3337

Monochromacy



Original Color

19.7078, 0.6320, 0.3363

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.3295, 0.4831, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7078, 0.6320, 0.3363 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(242, 28, 0)` looks like.

```
.text, #text, p{  
  color:rgb(242, 28, 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(242, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 28, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.7078, 0.6320, 0.3363 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(242, 28, 0) }
```

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

```
.border{ border-color:rgb(242, 28, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 28, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 28, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 19.7078, 0.6320, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 28, 0) }
```

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

```
.background{ background-color: rgb(242, 28,  
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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