

Converting Colors

Yxy(20.0234, 0.6251, 0.3419)

Have a look what the booklet for
Yxy(20.0234, 0.6251, 0.3419)
contains.

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Color

Yxy(20.1111, 0.6248, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	F02900
RGB	240, 41, 0
RGB Percent	94%, 16%, 0%
CMY	0.0588, 0.8392, 1.0000
CMYK	0.00, 0.83, 1.00, 0.06
HSL	10°, 100%, 47%
HSV	10°, 100%, 94%
XYZ	36.7302, 20.1111, 1.9459
YIQ	95.8270, 131.7650, 29.4370

Conversions

Conversions Part 2

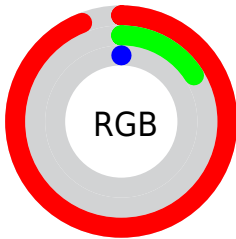
Format	Color
R_{YB}	240, 49, 0
Decimal	15739136
CIE _{Lab}	51.96, 71.25, 64.89
CIE _{LCh}	52, 96.370, 42.324
Yxy	20.1111, 0.6248, 0.3421
Android (android.graphics.Color)	4293929216 (0xFFFF02900)
YUV	95.8270, -47.2427, 126.4397
Hunter-Lab	44.8454, 67.7194, 28.8192

Details

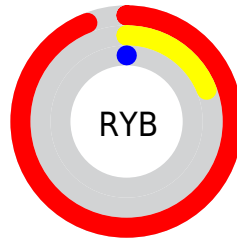
The Yxy color **20.1111, 0.6248, 0.3421** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **47.1429, 0.2091, 0.2726**, and the grayscale version is **11.7459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3009, 0.5412, 0.3689**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.1124, 0.6248, 0.3421**, and if you desaturate by 10%, it is **21.9193, 0.6015, 0.3491**.

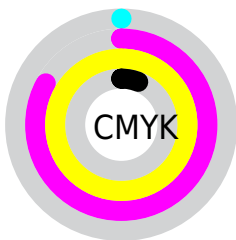
Distribution



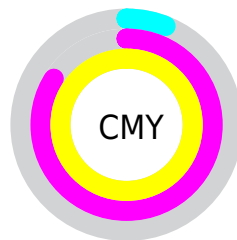
- Red (94%)
- Green (16%)
- Blue (0%)



- Red (94%)
- Yellow (19%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (6%)





- Cyan (6%)
- Magenta (84%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1111, 0.6248, 0.3421 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 20.1111, 0.6248, 0.3421 by changing the saturation by 10% instead.


 20.1111, 0.6248,
0.3421


 20.1111, 0.6248,
0.3421


 252.5159, 0.4638,
0.3620


 12.4758, 0.6595,
0.3269


 43.6034, 0.5696,
0.3575


 7.0686, 0.6980,
0.3020


 60.2292, 0.5475,
0.3608


 3.5050, 0.7376,
0.2624

 80.6206, 0.5283,
0.3625

 1.4007, 0.7929,
0.2071

 105.1620, 0.5118,
0.3633

 0.2173, 0.9200,
0.0800

 134.2379, 0.4974,
0.3634


 0.0000, 1.0000,
0.0000


 168.2326, 0.4847,


 0.0000, 0.0000,


0.3632


0.0000


 207.5304, 0.4736,
0.3627


 20.1111, 0.6248,
0.3421

 20.1111, 0.6248,
0.3421

 20.1124, 0.6248,
0.3421

 21.9193, 0.6015,
0.3491

 24.5952, 0.5672,
0.3541

 28.2439, 0.5259,
0.3559

 32.9494, 0.4829,
0.3549

 38.7863, 0.4424,
0.3518

45.8223, 0.4066,
0.3476

54.1197, 0.3762,
0.3428

63.7366, 0.3508,
0.3380

74.7273, 0.3299,
0.3333

Harmonies

Analogous

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



20.1111, 0.5766, 0.2629



20.1111, 0.6248, 0.3421



20.1111, 0.5584, 0.4416

Triad

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



20.1111, 0.6248, 0.3421



20.1111, 0.1740, 0.5658



20.1111, 0.1362, 0.1169

Complementary

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



20.1111, 0.6248, 0.3421



47.1429, 0.2091, 0.2726

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.



20.1111, 0.0881, 0.1270



20.1111, 0.6248, 0.3421



20.1111, 0.0969, 0.3262

Square

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



20.1111, 0.6248, 0.3421



20.1111, 0.2962, 0.6605



20.1111, 0.0750, 0.1819



20.1111, 0.2386, 0.1377

Rectangle

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



20.1111, 0.6248, 0.3421



20.1111, 0.4772, 0.5228



20.1111, 0.0750, 0.1819



20.1111, 0.1154, 0.1167

Sweetspot

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



20.1124, 0.6248, 0.3421



62.0042, 0.3765, 0.3429



22.6970, 0.3690, 0.1806



12.3720, 0.3887, 0.3449



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.



20.1124, 0.6248, 0.3421



23.0287, 0.6252, 0.3418



43.6700, 0.4947, 0.4454



16.1951, 0.3289, 0.3331



11.1400, 0.6226, 0.3438



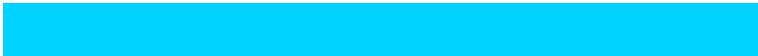
1.0517, 0.5995, 0.3622

Inverse Universe

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



47.1429, 0.2091, 0.2726



54.0278, 0.2090, 0.2724



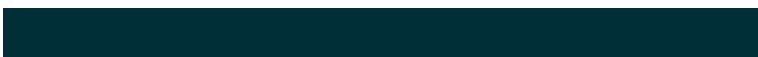
12.0294, 0.1626, 0.1051



17.4426, 0.2981, 0.3249



25.9775, 0.2093, 0.2736



2.2811, 0.2116, 0.2817

Previews

White Background



This preview shows how the Yxy color 20.1111, 0.6248, 0.3421 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 20.1111, 0.6248, 0.3421 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 20.1111, 0.6248, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 20.1111, 0.6248, 0.3421.



This preview shows how white text looks on a background with the Yxy color 20.1111, 0.6248, 0.3421.

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

20.1111, 0.6248, 0.3421

Protanopia

20.3314, 0.4290, 0.4748

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.1099, 0.6086, 0.3308

Trichromacy



Original Color

20.1111, 0.6248, 0.3421

Protanomaly

17.2792, 0.5237, 0.4110

Deuteranomaly

17.8771, 0.5463, 0.4044

Tritanomaly

20.1088, 0.6167, 0.3364

Monochromacy



Original Color

20.1111, 0.6248, 0.3421

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8017, 0.4695, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1111, 0.6248, 0.3421 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(240, 41, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 41, 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(240, 41, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 41, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.1111, 0.6248, 0.3421 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(240, 41, 0) }
```

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

```
.border{ border-color:rgb(240, 41, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 41, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 41, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 41, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 41, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.1111, 0.6248, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 41, 0) }
```

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

```
.background{ background-color: rgb(240, 41,  
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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