

Converting Colors

$Y_{xy}(21.5979, 0.6174, 0.3462)$

Have a look what the booklet for
Yxy(21.5979, 0.6174, 0.3462)
contains.

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Color

Yxy(21.6117, 0.6171, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	F43305
RGB	244, 51, 5
RGB Percent	96%, 20%, 2%
CMY	0.0433, 0.7997, 0.9805
CMYK	0.00, 0.79, 0.98, 0.04
HSL	12°, 96%, 49%
HSV	12°, 98%, 96%
XYZ	38.5116, 21.6117, 2.2841
YIQ	103.4630, 129.7940, 26.6100

Conversions

Conversions Part 2

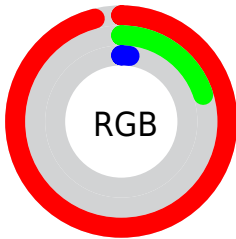
Format	Color
R_{YB}	244, 62, 5
Decimal	16003845
CIE _{Lab}	53.61, 69.93, 64.86
CIE _{LCh}	54, 95.383, 42.845
Yxy	21.6117, 0.6171, 0.3463
Android (android.graphics.Color)	4294193925 (0xFFFF43305)
YUV	103.4630, -48.5423, 123.2509
Hunter-Lab	46.4884, 66.5173, 29.6288

Details

The Yxy color **21.6117, 0.6171, 0.3463** 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 **46.8829, 0.2075, 0.2662**, and the grayscale version is **13.8075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6535, 0.5323, 0.3720**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2666, 0.6213, 0.3449**, and if you desaturate by 10%, it is **23.7952, 0.5913, 0.3539**.

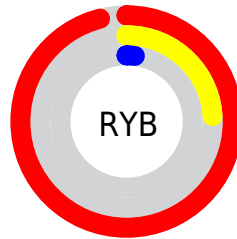
Distribution



Red (96%)

Green (20%)

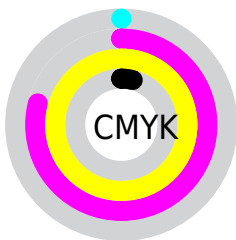
Blue (2%)



Red (96%)

Yellow (24%)

Blue (2%)

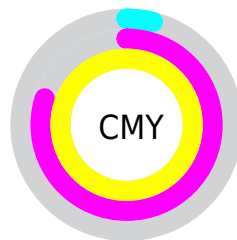


Cyan (0%)

Magenta (79%)

Yellow (98%)

Black (4%)



Cyan (4%)


Magenta (80%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6117, 0.6171, 0.3463 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 21.6117, 0.6171, 0.3463 by changing the saturation by 10% instead.


 21.6117, 0.6171,
0.3463


 21.6117, 0.6171,
0.3463


260.5117, 0.4609,
0.3627

 13.5719, 0.6501,
0.3322


 46.1034, 0.5636,
0.3599


 7.8235, 0.6896,
0.3104


 63.3240, 0.5421,
0.3627


 3.9822, 0.7269,
0.2731

 84.3737, 0.5236,
0.3641

 1.6636, 0.7790,
0.2210

 109.6368, 0.5075,
0.3646

 0.3999, 0.8751,
0.1249

 139.4978, 0.4936,
0.3645


 0.0000, 1.0000,
0.0000


 174.3410, 0.4813,


 0.0000, 0.0000,

0.3641


0.0000


 214.5508, 0.4705,
0.3635


 21.6117, 0.6171,
0.3463


 21.6117, 0.6171,
0.3463


 21.2666, 0.6213,
0.3449

 23.7952, 0.5913,
0.3539

 26.8815, 0.5555,
0.3585

 30.9636, 0.5141,
0.3596

 36.1198, 0.4722,
0.3577

 42.4204, 0.4334,
0.3538

■ 49.9296, 0.3992,
0.3489

■ 58.7066, 0.3702,
0.3435

■ 68.8067, 0.3461,
0.3380

■ 80.2821, 0.3261,
0.3329

Harmonies

Analogous

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



21.6117, 0.5706, 0.2671



21.6117, 0.6171, 0.3463



21.6117, 0.5533, 0.4449

Triad

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



21.6117, 0.6171, 0.3463



21.6117, 0.1773, 0.5527



21.6117, 0.1413, 0.1212

Complementary

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



21.6117, 0.6171, 0.3463



46.8829, 0.2075, 0.2662

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.



21.6117, 0.0926, 0.1309



21.6117, 0.6171, 0.3463



21.6117, 0.1012, 0.3240

Square

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



21.6117, 0.6171, 0.3463



21.6117, 0.2978, 0.6507



21.6117, 0.0793, 0.1849



21.6117, 0.2433, 0.1423

Rectangle

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



21.6117, 0.6171, 0.3463



21.6117, 0.4754, 0.5246



21.6117, 0.0793, 0.1849



21.6117, 0.1203, 0.1208

Sweetspot

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



21.6130, 0.6171, 0.3463



63.7714, 0.3732, 0.3441



23.5126, 0.3732, 0.1836



12.7385, 0.3852, 0.3464



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.



21.6130, 0.6171, 0.3463



23.4736, 0.6217, 0.3446



47.3487, 0.4879, 0.4496



16.9999, 0.3289, 0.3336



11.7147, 0.6190, 0.3467



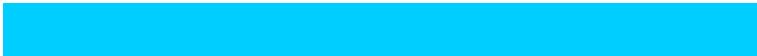
1.1658, 0.5963, 0.3647

Inverse Universe

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



46.8829, 0.2075, 0.2662



51.2653, 0.2068, 0.2646



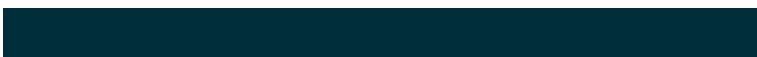
12.3945, 0.1627, 0.1045



18.1825, 0.2980, 0.3243



25.4385, 0.2072, 0.2659



2.3719, 0.2096, 0.2747

Previews

White Background



This preview shows how the Yxy color 21.6117, 0.6171, 0.3463 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 21.6117, 0.6171, 0.3463 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 21.6117, 0.6171, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 21.6117, 0.6171, 0.3463.



This preview shows how white text looks on a background with the Yxy color 21.6117, 0.6171, 0.3463.

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

21.6117, 0.6171, 0.3463

Protanopia

21.8090, 0.4304, 0.4753

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.5604, 0.5951, 0.3298

Trichromacy



Original Color

21.6117, 0.6171, 0.3463

Protanomaly

19.1816, 0.5168, 0.4159

Deuteranomaly

19.5766, 0.5405, 0.4080

Tritanomaly

21.5340, 0.6072, 0.3381

Monochromacy



Original Color

21.6117, 0.6171, 0.3463

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.6159, 0.4591, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6117, 0.6171, 0.3463 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(244, 51, 5)` looks like.

```
.text, #text, p{  
    color:rgb(244, 51, 5)  
}
```

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(244, 51, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 51, 5) }
```

Border

The CSS property to change the border of an element to Yxy 21.6117, 0.6171, 0.3463 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(244, 51, 5) }
```

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

```
.border{ border-color:rgb(244, 51, 5) }
```

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

Here you see how a box with a 4 pixel rgb(244, 51, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 51, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 51, 5);  
box-shadow:4px 4px 4px 4px rgb(244, 51, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.6117, 0.6171, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 51, 5) }
```

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

```
.background{ background-color: rgb(244, 51,  
5) }
```

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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