

Converting Colors

$Y_{xy}(21.4871, 0.6381, 0.3315)$

Have a look what the booklet for
Yxy(21.4871, 0.6381, 0.3315)
contains.

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Color

Yxy(21.4771, 0.6382, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	FF0A00
RGB	255, 10, 0
RGB Percent	100%, 4%, 0%
CMY	0.0000, 0.9604, 1.0000
CMYK	0.00, 0.96, 1.00, 0.00
HSL	2°, 100%, 50%
HSV	2°, 100%, 100%
XYZ	41.3475, 21.4771, 1.9631
YIQ	82.1150, 149.2300, 48.8300

Conversions

Conversions Part 2

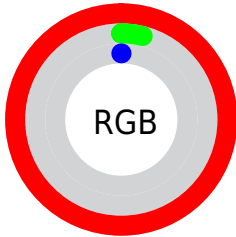
Format	Color
RYB	255, 10, 0
Decimal	16714240
CIELab	53.47, 79.43, 67.33
CIElCh	53, 104.123, 40.288
Yxy	21.4771, 0.6382, 0.3315
Android (android.graphics.Color)	4294904320 (0xFFFF0A00)
YUV	82.1150, -40.4827, 151.6201
Hunter-Lab	46.3434, 78.1563, 29.9289

Details

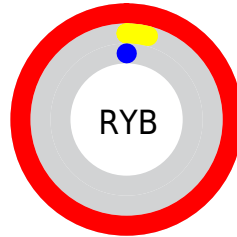
The Yxy color **21.4771, 0.6382, 0.3315** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **72.4605, 0.2212, 0.3164**, and the grayscale version is **8.5349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3111, 0.5507, 0.3598**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.4787, 0.6382, 0.3315**, and if you desaturate by 10%, it is **22.5100, 0.6215, 0.3330**.

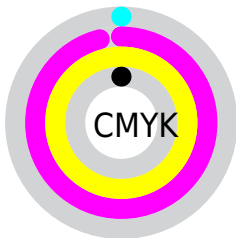
Distribution



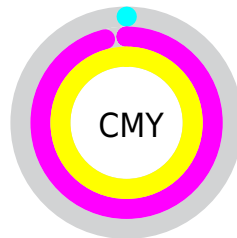
- Red (100%)
- Green (4%)
- Blue (0%)



- Red (100%)
- Yellow (4%)
- Blue (0%)



- Cyan (0%)
- Magenta (96%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (96%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4771, 0.6382, 0.3315 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 21.4771, 0.6382, 0.3315 by changing the saturation by 10% instead.


 21.4771, 0.6382,
0.3315


 21.4771, 0.6382,
0.3315


 259.8033, 0.4732,
0.3586


 13.4732, 0.6727,
0.3149


 45.8802, 0.5825,
0.3494


 7.7552, 0.7108,
0.2892


 63.0482, 0.5599,
0.3538


 3.9387, 0.7500,
0.2500

 84.0397, 0.5403,
0.3564

 1.6393, 0.8032,
0.1968

 109.2391, 0.5232,
0.3580

 0.3839, 0.8962,
0.1038

 139.0307, 0.5082,
0.3587


 0.0000, 1.0000,
0.0000

 173.7990, 0.4951,

 0.0000, 0.0000,

0.3590


0.0000


 213.9284, 0.4835,
0.3589

 21.4771, 0.6382,
0.3315

 21.4771, 0.6382,
0.3315


 21.4787, 0.6382,
0.3315


 22.5100, 0.6215,
0.3330


 24.6348, 0.5894,
0.3345

 28.0625, 0.5460,
0.3353


 32.9566, 0.4985,
0.3352

 39.4568, 0.4530,
0.3346

 47.6865, 0.4130,
0.3335

 57.7570, 0.3796,
0.3324

 69.7702, 0.3523,
0.3312

 83.8209, 0.3303,
0.3301

Harmonies

Analogous

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



21.4771, 0.5811, 0.2529



21.4771, 0.6382, 0.3315



21.4771, 0.5700, 0.4300

Triad

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



21.4771, 0.6382, 0.3315



21.4771, 0.1728, 0.5975



21.4771, 0.1252, 0.1100

Complementary

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



21.4771, 0.6382, 0.3315



72.4605, 0.2212, 0.3164

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.



21.4771, 0.0797, 0.1219



21.4771, 0.6382, 0.3315



21.4771, 0.0917, 0.3391

Square

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



21.4771, 0.6382, 0.3315



21.4771, 0.2983, 0.6738



21.4771, 0.0682, 0.1809



21.4771, 0.2252, 0.1289

Rectangle

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



21.4771, 0.6382, 0.3315



21.4771, 0.4860, 0.5140



21.4771, 0.0682, 0.1809



21.4771, 0.1054, 0.1103

Sweetspot

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



21.4787, 0.6382, 0.3315



57.7586, 0.3796, 0.3324



27.9438, 0.3296, 0.1589



11.4044, 0.3929, 0.3329



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.



21.4787, 0.6382, 0.3315



21.4793, 0.6382, 0.3315



38.8673, 0.5336, 0.4145



18.1023, 0.3294, 0.3300



11.2733, 0.6373, 0.3322



1.1365, 0.6309, 0.3373

Inverse Universe

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



72.4605, 0.2212, 0.3164



72.4625, 0.2212, 0.3164



20.4131, 0.1732, 0.1434



20.3507, 0.2980, 0.3280



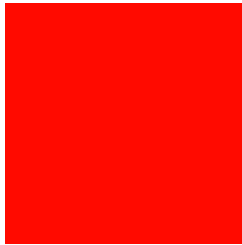
37.9178, 0.2213, 0.3166



3.7288, 0.2217, 0.3181

Previews

White Background



This preview shows how the Yxy color 21.4771, 0.6382, 0.3315 looks on a white background.

Color Contrast Check

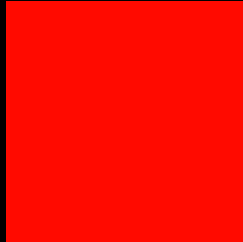
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4771, 0.6382, 0.3315 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 21.4771, 0.6382, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 21.4771, 0.6382, 0.3315.



This preview shows how white text looks on a background with the Yxy color 21.4771, 0.6382, 0.3315.

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

21.4771, 0.6382, 0.3315

Protanopia

21.8301, 0.4282, 0.4721

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.4954, 0.6347, 0.3343

Trichromacy



Original Color

21.4771, 0.6382, 0.3315



Protanomaly

17.0240, 0.5426, 0.3936



Deuteranomaly

17.6206, 0.5666, 0.3883



Tritanomaly

21.5034, 0.6363, 0.3330

Monochromacy



Original Color

21.4771, 0.6382, 0.3315



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

9.0960, 0.5061, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4771, 0.6382, 0.3315 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(255, 10, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 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(255, 10, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.4771, 0.6382, 0.3315 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(255, 10, 0) }
```

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

```
.border{ border-color:rgb(255, 10, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 10, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 10, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4771, 0.6382, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 0) }
```

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

```
.background{ background-color: rgb(255, 10,  
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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