

Converting Colors

$Y_{xy}(21.3410, 0.6394, 0.3305)$

Have a look what the booklet for
Yxy(21.3410, 0.6394, 0.3305)
contains.

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Color

Yxy(21.3468, 0.6393, 0.3306)

Conversions

Conversions Part 1

Format	Color
Hex	FF0400
RGB	255, 4, 0
RGB Percent	100%, 2%, 0%
CMY	0.0001, 0.9836, 1.0000
CMYK	0.00, 0.98, 1.00, 0.00
HSL	1°, 100%, 50%
HSV	1°, 100%, 100%
XYZ	41.2795, 21.3468, 1.9436
YIQ	78.5930, 150.8800, 51.9680

Conversions

Conversions Part 2

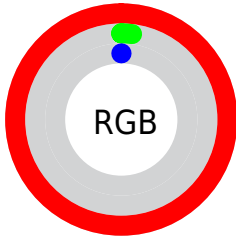
Format	Color
RYB	255, 4, 0
Decimal	16712704
CIELab	53.33, 79.82, 67.26
CIELCh	53, 104.384, 40.118
Yxy	21.3468, 0.6393, 0.3306
Android (android.graphics.Color)	4294902784 (0xFFFF0400)
YUV	78.5930, -38.7463, 154.7089
Hunter-Lab	46.2026, 78.6255, 29.8477

Details

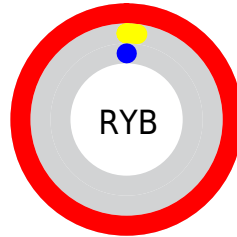
The Yxy color **21.3468, 0.6393, 0.3306** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **76.0841, 0.2232, 0.3237**, and the grayscale version is **7.8126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1252, 0.5516, 0.3589**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3483, 0.6393, 0.3306**, and if you desaturate by 10%, it is **22.2217, 0.6237, 0.3311**.

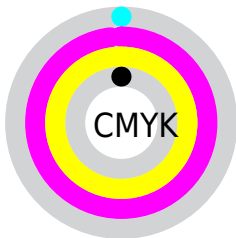
Distribution



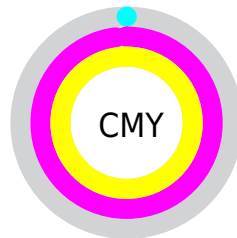
- Red (100%)
- Green (2%)
- Blue (0%)



- Red (100%)
- Yellow (2%)
- Blue (0%)



- Cyan (0%)
- Magenta (98%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (98%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3468, 0.6393, 0.3306 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 21.3468, 0.6393, 0.3306 by changing the saturation by 10% instead.


 21.3468, 0.6393,
0.3306


 21.3468, 0.6393,
0.3306


 259.1158, 0.4737,
0.3583


 13.3777, 0.6739,
0.3139


 45.6640, 0.5834,
0.3488

 7.6892, 0.7121,
0.2879


 62.7809, 0.5607,
0.3532

 3.8967, 0.7515,
0.2485


 83.7159, 0.5410,
0.3559

 1.6159, 0.8050,
0.1950

 108.8534, 0.5238,
0.3575

 0.3683, 0.8996,
0.1004

 138.5777, 0.5088,
0.3583

 0.0000, 1.0000,
0.0000


 173.2733, 0.4956,


 0.0000, 0.0000,

0.3586


0.0000


 213.3245, 0.4840,
0.3586


 21.3468, 0.6393,
0.3306


 21.3468, 0.6393,
0.3306


 21.3483, 0.6393,
0.3306

 22.2217, 0.6237,
0.3311

 24.1674, 0.5925,
0.3317

 27.4402, 0.5491,
0.3320

 32.2200, 0.5010,
0.3319

 38.6586, 0.4548,
0.3316

■ 46.8893, 0.4141,
0.3311

■ 57.0320, 0.3801,
0.3305

■ 69.1962, 0.3525,
0.3300

■ 83.4831, 0.3304,
0.3295

Harmonies

Analogous

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



21.3468, 0.5814, 0.2520



21.3468, 0.6393, 0.3306



21.3468, 0.5710, 0.4290

Triad

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



21.3468, 0.6393, 0.3306



21.3468, 0.1727, 0.6002



21.3468, 0.1243, 0.1094

Complementary

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



21.3468, 0.6393, 0.3306



76.0841, 0.2232, 0.3237

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.



21.3468, 0.0790, 0.1215



21.3468, 0.6393, 0.3306



21.3468, 0.0913, 0.3402

Square

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



21.3468, 0.6393, 0.3306



21.3468, 0.2984, 0.6748



21.3468, 0.0677, 0.1809



21.3468, 0.2241, 0.1282

Rectangle

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



21.3468, 0.6393, 0.3306



21.3468, 0.4868, 0.5132



21.3468, 0.0677, 0.1809



21.3468, 0.1046, 0.1098

Sweetspot

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



21.3483, 0.6393, 0.3306



57.0393, 0.3801, 0.3305



28.4763, 0.3209, 0.1542



11.2419, 0.3936, 0.3308



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.



21.3483, 0.6393, 0.3306



21.3510, 0.6393, 0.3306



36.5636, 0.5436, 0.4066



18.0348, 0.3294, 0.3294



11.1771, 0.6389, 0.3309



1.1044, 0.6362, 0.3331

Inverse Universe

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



76.0841, 0.2232, 0.3237



76.0939, 0.2232, 0.3237



22.5254, 0.1763, 0.1545



20.4271, 0.2980, 0.3286



39.7841, 0.2233, 0.3237



3.8894, 0.2234, 0.3243

Previews

White Background



This preview shows how the Yxy color 21.3468, 0.6393, 0.3306 looks on a white background.

Color Contrast Check

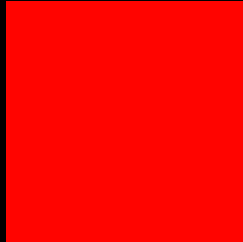
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3468, 0.6393, 0.3306 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 21.3468, 0.6393, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 21.3468, 0.6393, 0.3306.



This preview shows how white text looks on a background with the Yxy color 21.3468, 0.6393, 0.3306.

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

21.3468, 0.6393, 0.3306

Protanopia

21.7396, 0.4270, 0.4729

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.5359, 0.6343, 0.3345

Trichromacy



Original Color

21.3468, 0.6393, 0.3306



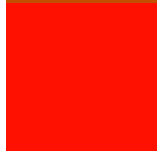
Protanomaly

16.5851, 0.5448, 0.3916



Deuteranomaly

17.3277, 0.5695, 0.3860



Tritanomaly

21.4717, 0.6366, 0.3328

Monochromacy



Original Color

21.3468, 0.6393, 0.3306



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

8.5259, 0.5124, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3468, 0.6393, 0.3306 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, 4, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 4, 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, 4, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 21.3468, 0.6393, 0.3306 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, 4, 0) }
```

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

```
.border{ border-color:rgb(255, 4, 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, 4, 0)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 21.3468, 0.6393, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 4, 0) }
```

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

```
.background{ background-color: rgb(255, 4,  
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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