

Converting Colors

$Y_{xy}(21.5758, 0.6373, 0.3321)$

Have a look what the booklet for
Yxy(21.5758, 0.6373, 0.3321)
contains.

Yxy(21.5741, 0.6373, 0.3321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.5741, 0.6373, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	FF0E00
RGB	255, 14, 0
RGB Percent	100%, 5%, 0%
CMY	0.0000, 0.9452, 0.9992
CMYK	0.00, 0.95, 1.00, 0.00
HSL	3°, 100%, 50%
HSV	3°, 100%, 100%
XYZ	41.4007, 21.5741, 1.9879
YIQ	84.4630, 148.1300, 46.7380

Conversions

Conversions Part 2

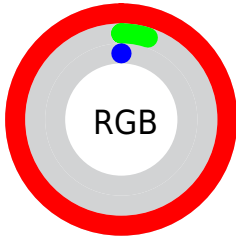
Format	Color
R_{YB}	255, 15, 0
Decimal	16715264
CIE Lab	53.57, 79.14, 67.29
CIE LCh	54, 103.878, 40.374
Yxy	21.5741, 0.6373, 0.3321
Android (android.graphics.Color)	4294905344 (0xFFFF0E00)
YUV	84.4630, -41.6403, 149.5609
Hunter-Lab	46.4479, 77.8196, 29.9761

Details

The Yxy color **21.5741, 0.6373, 0.3321** 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 **70.2676, 0.2199, 0.3117**, and the grayscale version is **9.0325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4994, 0.5498, 0.3607**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.5682, 0.6374, 0.3321**, and if you desaturate by 10%, it is **22.7254, 0.6197, 0.3343**.

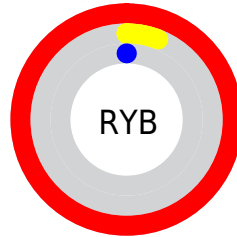
Distribution



Red (100%)

Green (5%)

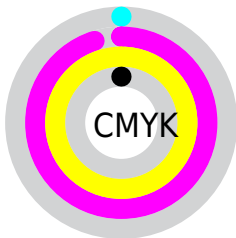
Blue (0%)



Red (100%)

Yellow (6%)

Blue (0%)

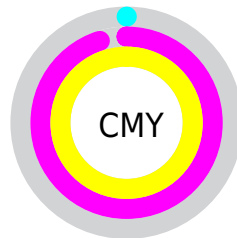


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5741, 0.6373, 0.3321 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 21.5741, 0.6373, 0.3321 by changing the saturation by 10% instead.


 21.5741, 0.6373,
0.3321


 21.5741, 0.6373,
0.3321


 260.3140, 0.4728,
0.3588


 13.5443, 0.6716,
0.3156


 46.0411, 0.5817,
0.3498


 7.8044, 0.7098,
0.2902


 63.2470, 0.5592,
0.3541

 3.9700, 0.7489,
0.2511


 84.2804, 0.5396,
0.3567

 1.6568, 0.8019,
0.1981

 109.5258, 0.5226,
0.3582

 0.3955, 0.8937,
0.1063

 139.3674, 0.5077,
0.3589


 0.0000, 1.0000,
0.0000


 174.1897, 0.4946,


 0.0000, 0.0000,


0.3592

0.0000


 214.3771, 0.4831,
0.3591


 21.5741, 0.6373,
0.3321

 21.5741, 0.6373,
0.3321


 21.5682, 0.6374,
0.3321

 22.7254, 0.6197,
0.3343

 24.9694, 0.5871,
0.3364

 28.5010, 0.5437,
0.3374

 33.4743, 0.4965,
0.3373

 40.0216, 0.4516,
0.3364

■ 48.2604, 0.4121,
0.3351

■ 58.2968, 0.3790,
0.3335

■ 70.2285, 0.3519,
0.3319

■ 84.1458, 0.3301,
0.3304

Harmonies

Analogous

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



21.5741, 0.5806, 0.2535



21.5741, 0.6373, 0.3321



21.5741, 0.5694, 0.4306

Triad

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



21.5741, 0.6373, 0.3321



21.5741, 0.1731, 0.5956



21.5741, 0.1259, 0.1104

Complementary

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



21.5741, 0.6373, 0.3321



70.2676, 0.2199, 0.3117

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.



21.5741, 0.0802, 0.1223



21.5741, 0.6373, 0.3321



21.5741, 0.0922, 0.3385

Square

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



21.5741, 0.6373, 0.3321



21.5741, 0.2984, 0.6728



21.5741, 0.0687, 0.1811



21.5741, 0.2259, 0.1295

Rectangle

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



21.5741, 0.6373, 0.3321



21.5741, 0.4856, 0.5144



21.5741, 0.0687, 0.1811



21.5741, 0.1060, 0.1107

Sweetspot

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



21.5737, 0.6373, 0.3321



58.2109, 0.3792, 0.3335



27.6908, 0.3341, 0.1614



11.5068, 0.3924, 0.3342



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.



21.5737, 0.6373, 0.3321



21.5682, 0.6374, 0.3321



40.1161, 0.5286, 0.4185



18.1444, 0.3293, 0.3303



11.3332, 0.6363, 0.3329



1.1564, 0.6276, 0.3399

Inverse Universe

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



70.2676, 0.2199, 0.3117



70.2599, 0.2199, 0.3117



19.4508, 0.1718, 0.1382



20.3032, 0.2980, 0.3277



36.7853, 0.2200, 0.3120



3.6310, 0.2206, 0.3141

Previews

White Background



This preview shows how the Yxy color 21.5741, 0.6373, 0.3321 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 21.5741, 0.6373, 0.3321 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 21.5741, 0.6373, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 21.5741, 0.6373, 0.3321.



This preview shows how white text looks on a background with the Yxy color 21.5741, 0.6373, 0.3321.

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

21.5741, 0.6373, 0.3321

Protanopia

21.8301, 0.4282, 0.4721

Deuteranopia

21.8473, 0.4688, 0.4659



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.5741, 0.6373, 0.3321



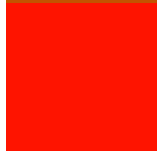
Protanomaly

17.1848, 0.5411, 0.3949



Deuteranomaly

17.9223, 0.5636, 0.3907



Tritanomaly

21.5711, 0.6357, 0.3335

Monochromacy



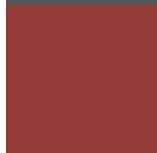
Original Color

21.5741, 0.6373, 0.3321



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

9.5053, 0.4999, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5741, 0.6373, 0.3321 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, 14, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 14, 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, 14, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 14, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.5741, 0.6373, 0.3321 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, 14, 0) }
```

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

```
.border{ border-color:rgb(255, 14, 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, 14, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 14, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 14, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 14, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5741, 0.6373, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 14, 0) }
```

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

```
.background{ background-color: rgb(255, 14,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor