

Converting Colors

$Y_{xy}(22.6983, 0.6254, 0.3380)$

Have a look what the booklet for
Yxy(22.6983, 0.6254, 0.3380)
contains.

Yxy(22.7330, 0.6252, 0.3382)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7330, 0.6252, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	FF270A
RGB	255, 39, 10
RGB Percent	100%, 15%, 4%
CMY	0.0000, 0.8471, 0.9608
CMYK	0.00, 0.85, 0.96, 0.00
HSL	7°, 100%, 52%
HSV	7°, 96%, 100%
XYZ	42.0245, 22.7330, 2.4602
YIQ	100.2780, 138.0450, 36.7730

Conversions

Conversions Part 2

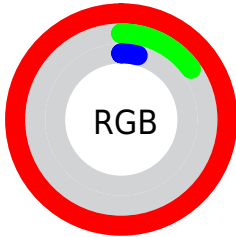
Format	Color
R_{YB}	255, 43, 10
Decimal	16721674
CIE _{Lab}	54.80, 75.76, 65.52
CIE _{LCh}	55, 100.160, 40.857
Yxy	22.7330, 0.6252, 0.3382
Android (android.graphics.Color)	4294911754 (0xFFFF270A)
YUV	100.2780, -44.5071, 135.6912
Hunter-Lab	47.6791, 73.8917, 30.3161

Details

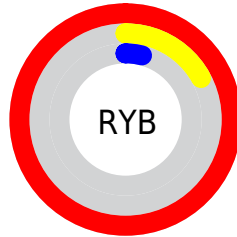
The Yxy color **22.7330, 0.6252, 0.3382** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **61.6891, 0.2149, 0.2921**, and the grayscale version is **12.9052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5906, 0.5346, 0.3653**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.1967, 0.6320, 0.3364**, and if you desaturate by 10%, it is **24.7717, 0.5994, 0.3433**.

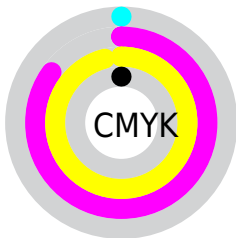
Distribution



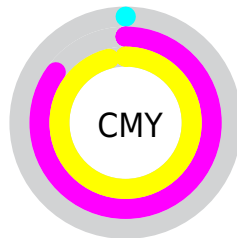
- Red (100%)
- Green (15%)
- Blue (4%)



- Red (100%)
- Yellow (17%)
- Blue (4%)



- Cyan (0%)
- Magenta (85%)
- Yellow (96%)
- Black (0%)




- Cyan (0%)
- Magenta (85%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7330, 0.6252, 0.3382 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 22.7330, 0.6252, 0.3382 by changing the saturation by 10% instead.


 22.7330, 0.6252,
0.3382


 22.7330, 0.6252,
0.3382


266.3507, 0.4663,
0.3594


 14.3965, 0.6583,
0.3233


 47.9545, 0.5710,
0.3533


 8.3969, 0.6986,
0.3014


 65.6084, 0.5493,
0.3568

 4.3500, 0.7357,
0.2643

 87.1367, 0.5304,
0.3588

 1.8712, 0.7865,
0.2135

 112.9240, 0.5140,
0.3598

 0.5310, 0.8663,
0.1337

 143.3547, 0.4997,
0.3602

 0.0000, 1.0000,
0.0000


 178.8131, 0.4872,


 0.0000, 0.0000,


0.3602

0.0000

 219.6836, 0.4761,
0.3599


 22.7330, 0.6252,
0.3382


 22.7330, 0.6252,
0.3382


 22.1967, 0.6320,
0.3364

 24.7717, 0.5994,
0.3433

 27.9297, 0.5614,
0.3465

 32.3376, 0.5171,
0.3474

 38.1086, 0.4725,
0.3463

 45.3431, 0.4316,
0.3438

■ 54.1320, 0.3963,
0.3407

■ 64.5589, 0.3668,
0.3373

■ 76.7012, 0.3426,
0.3340

■ 90.6316, 0.3228,
0.3308

Harmonies

Analogous

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



22.7330, 0.5700, 0.2594



22.7330, 0.6252, 0.3382



22.7330, 0.5636, 0.4364

Triad

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



22.7330, 0.6252, 0.3382



22.7330, 0.1797, 0.5756



22.7330, 0.1331, 0.1170

Complementary

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



22.7330, 0.6252, 0.3382



61.6891, 0.2149, 0.2921

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.



22.7330, 0.0870, 0.1288



22.7330, 0.6252, 0.3382



22.7330, 0.0995, 0.3365

Square

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



22.7330, 0.6252, 0.3382



22.7330, 0.3029, 0.6580



22.7330, 0.0754, 0.1867



22.7330, 0.2322, 0.1363

Rectangle

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



22.7330, 0.6252, 0.3382



22.7330, 0.4836, 0.5164



22.7330, 0.0754, 0.1867



22.7330, 0.1130, 0.1172

Sweetspot

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



22.7317, 0.6252, 0.3382



61.3372, 0.3748, 0.3383



26.9911, 0.3519, 0.1723



12.1778, 0.3874, 0.3398



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.



22.7317, 0.6252, 0.3382



22.1967, 0.6320, 0.3364



46.8012, 0.5036, 0.4361



18.3329, 0.3292, 0.3319



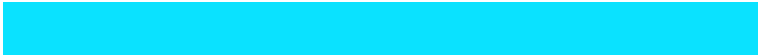
11.7067, 0.6303, 0.3377



1.2453, 0.6139, 0.3507

Inverse Universe

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



61.6891, 0.2149, 0.2921



60.9831, 0.2140, 0.2905



17.1688, 0.1688, 0.1253



20.0929, 0.2980, 0.3261



32.0106, 0.2142, 0.2912



3.2160, 0.2155, 0.2959

Previews

White Background



This preview shows how the Yxy color 22.7330, 0.6252, 0.3382 looks on a white background.

Color Contrast Check

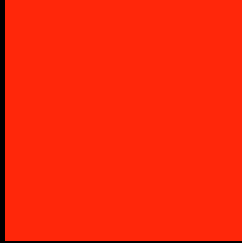
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7330, 0.6252, 0.3382 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 22.7330, 0.6252, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 22.7330, 0.6252, 0.3382.



This preview shows how white text looks on a background with the Yxy color 22.7330, 0.6252, 0.3382.

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

22.7330, 0.6252, 0.3382

Protanopia

22.9139, 0.4278, 0.4724

Deuteranopia

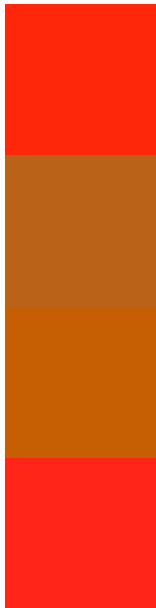
22.7742, 0.4705, 0.4646



Tritanopia

22.7617, 0.6149, 0.3315

Trichromacy



Original Color

22.7330, 0.6252, 0.3382

Protanomaly

19.3703, 0.5244, 0.4057

Deuteranomaly

20.0199, 0.5477, 0.4014

Tritanomaly

22.7164, 0.6201, 0.3345

Monochromacy



Original Color

22.7330, 0.6252, 0.3382

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.9219, 0.4683, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7330, 0.6252, 0.3382 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, 39, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 39, 10)  
}
```

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, 39, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 39, 10) }
```

Border

The CSS property to change the border of an element to Yxy 22.7330, 0.6252, 0.3382 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, 39, 10) }
```

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

```
.border{ border-color:rgb(255, 39, 10) }
```

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

Here you see how a box with a 4 pixel rgb(255, 39, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 39, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 39, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 39,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7330, 0.6252, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 39, 10) }
```

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

```
.background{ background-color: rgb(255, 39,  
10) }
```

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