

Converting Colors

$Y_{xy}(22.7690, 0.6210, 0.3358)$

Have a look what the booklet for
Yxy(22.7690, 0.6210, 0.3358)
contains.

Yxy(22.7690, 0.6210, 0.3358)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7690, 0.6210, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	FF2716
RGB	255, 39, 22
RGB Percent	100%, 15%, 9%
CMY	0.0000, 0.8468, 0.9141
CMYK	0.00, 0.85, 0.91, 0.00
HSL	4°, 100%, 54%
HSV	4°, 91%, 100%
XYZ	42.1071, 22.7690, 2.9292
YIQ	101.6460, 134.1930, 40.5050

Conversions

Conversions Part 2

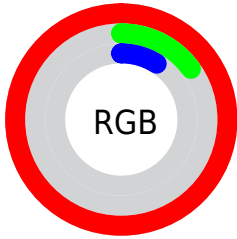
Format	Color
R_{YB}	255, 40, 22
Decimal	16721686
CIE _{Lab}	54.83, 75.84, 62.20
CIE _{LCh}	55, 98.087, 39.355
Yxy	22.7690, 0.6210, 0.3358
Android (android.graphics.Color)	4294911766 (0xFFFF2716)
YUV	101.6460, -39.2655, 134.4915
Hunter-Lab	47.7169, 74.0102, 29.7622

Details

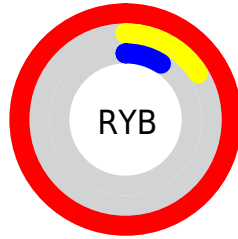
The Yxy color **22.7690, 0.6210, 0.3358** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **68.4366, 0.2197, 0.3075**, and the grayscale version is **13.2729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6783, 0.5284, 0.3604**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.7163, 0.6361, 0.3331**, and if you desaturate by 10%, it is **24.9861, 0.5900, 0.3387**.

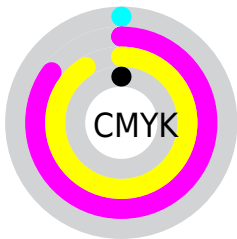
Distribution



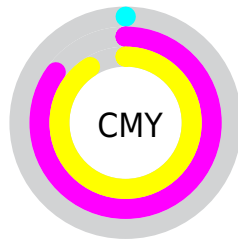
- Red (100%)
- Green (15%)
- Blue (9%)



- Red (100%)
- Yellow (16%)
- Blue (9%)



- Cyan (0%)
- Magenta (85%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (85%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7690, 0.6210, 0.3358 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 22.7690, 0.6210, 0.3358 by changing the saturation by 10% instead.


 22.7690, 0.6210,
0.3358


 22.7690, 0.6210,
0.3358


266.5363, 0.4625,
0.3564


 14.4230, 0.6549,
0.3215


 48.0137, 0.5662,
0.3502

 8.4155, 0.6987,
0.3013


 65.6813, 0.5445,
0.3536

 4.3619, 0.7358,
0.2642

 87.2249, 0.5257,
0.3555

 1.8780, 0.7865,
0.2135

 113.0288, 0.5095,
0.3565

 0.5351, 0.8659,
0.1341

 143.4775, 0.4954,
0.3570

 0.0000, 1.0000,
0.0000


 178.9554, 0.4830,

 0.0000, 0.0000,


0.3570


0.0000

 219.8469, 0.4722,
0.3568

 22.7690, 0.6210,
0.3358

 22.7690, 0.6210,
0.3358


 21.7163, 0.6361,
0.3331

 24.9861, 0.5900,
0.3387

 28.4413, 0.5478,
0.3403

 33.2823, 0.5013,
0.3403

 39.6347, 0.4564,
0.3392

 47.6101, 0.4166,
0.3375

57.3095, 0.3830,
0.3354

68.8259, 0.3554,
0.3333

82.2454, 0.3330,
0.3312

97.6486, 0.3150,
0.3293

Harmonies

Analogous

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



22.7690, 0.5586, 0.2573



22.7690, 0.6210, 0.3358



22.7690, 0.5653, 0.4311

Triad

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



22.7690, 0.6210, 0.3358



22.7690, 0.1884, 0.5793



22.7690, 0.1322, 0.1194

Complementary

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



22.7690, 0.6210, 0.3358



68.4366, 0.2197, 0.3075

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.



22.7690, 0.0882, 0.1331



22.7690, 0.6210, 0.3358



22.7690, 0.1053, 0.3477

Square

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



22.7690, 0.6210, 0.3358



22.7690, 0.3118, 0.6497



22.7690, 0.0784, 0.1943



22.7690, 0.2272, 0.1371

Rectangle

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



22.7690, 0.6210, 0.3358



22.7690, 0.4900, 0.5100



22.7690, 0.0784, 0.1943



22.7690, 0.1130, 0.1201

Sweetspot

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



22.7704, 0.6210, 0.3358



62.1691, 0.3701, 0.3345



28.0865, 0.3369, 0.1655



12.4963, 0.3800, 0.3352



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.



22.7704, 0.6210, 0.3358



21.7182, 0.6361, 0.3331



44.4207, 0.5095, 0.4276



18.2017, 0.3293, 0.3308



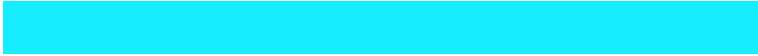
11.4251, 0.6348, 0.3341



1.1835, 0.6233, 0.3433

Inverse Universe

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



68.4366, 0.2197, 0.3075



67.3396, 0.2182, 0.3054



21.5303, 0.1762, 0.1491



20.2389, 0.2980, 0.3272



35.2831, 0.2183, 0.3058



3.5010, 0.2191, 0.3086

Previews

White Background



This preview shows how the Yxy color 22.7690, 0.6210, 0.3358 looks on a white background.

Color Contrast Check

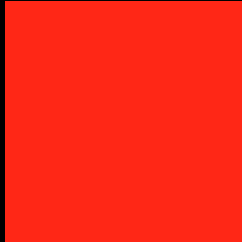
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7690, 0.6210, 0.3358 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 22.7690, 0.6210, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 22.7690, 0.6210, 0.3358.



This preview shows how white text looks on a background with the Yxy color 22.7690, 0.6210, 0.3358.

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

22.7690, 0.6210, 0.3358

Protanopia

22.8727, 0.4217, 0.4659

Deuteranopia

22.7742, 0.4705, 0.4646



Tritanopia

22.7676, 0.6142, 0.3311

Trichromacy



Original Color

22.7690, 0.6210, 0.3358

Protanomaly

19.2958, 0.5168, 0.4002

Deuteranomaly

20.0287, 0.5465, 0.4004

Tritanomaly

22.7400, 0.6174, 0.3329

Monochromacy



Original Color

22.7690, 0.6210, 0.3358

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.3421, 0.4598, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7690, 0.6210, 0.3358 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, 22)` looks like.

```
.text, #text, p{  
  color:rgb(255, 39, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 39, 22) }
```

Border

The CSS property to change the border of an element to Yxy 22.7690, 0.6210, 0.3358 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, 22) }
```

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

```
.border{ border-color:rgb(255, 39, 22) }
```

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, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 39, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 39, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 39,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7690, 0.6210, 0.3358 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, 22) }
```

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

```
.background{ background-color: rgb(255, 39,  
22) }
```

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