

Converting Colors

$Y_{xy}(22.5690, 0.6219, 0.3340)$

Have a look what the booklet for
Yxy(22.5690, 0.6219, 0.3340)
contains.

Yxy(22.5877, 0.6215, 0.3340)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5877, 0.6215, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	FF2418
RGB	255, 36, 24
RGB Percent	100%, 14%, 9%
CMY	0.0001, 0.8585, 0.9058
CMYK	0.00, 0.86, 0.91, 0.00
HSL	3°, 100%, 55%
HSV	3°, 91%, 100%
XYZ	42.0307, 22.5877, 3.0094
YIQ	100.1130, 134.3760, 42.6960

Conversions

Conversions Part 2

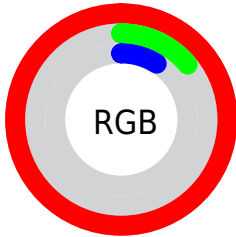
Format	Color
RYB	255, 37, 24
Decimal	16720920
CIELab	54.65, 76.43, 61.33
CIElCh	55, 97.993, 38.747
Yxy	22.5877, 0.6215, 0.3340
Android (android.graphics.Color)	4294911000 (0xFFFF2418)
YUV	100.1130, -37.5237, 135.8359
Hunter-Lab	47.5265, 74.6874, 29.5142

Details

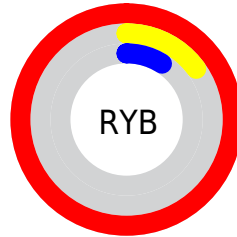
The Yxy color **22.5877, 0.6215, 0.3340** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **71.4601, 0.2216, 0.3139**, and the grayscale version is **12.8582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4795, 0.5283, 0.3587**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.5525, 0.6375, 0.3320**, and if you desaturate by 10%, it is **24.7403, 0.5899, 0.3361**.

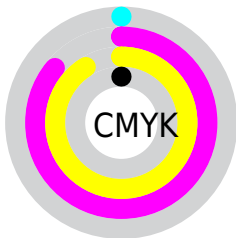
Distribution



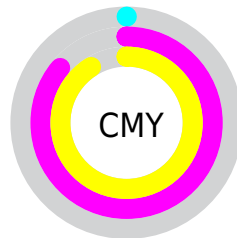
- Red (100%)
- Green (14%)
- Blue (9%)



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



- Cyan (0%)
- Magenta (86%)
- Yellow (91%)
- Black (0%)



- Cyan (0%)
- Magenta (86%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5877, 0.6215, 0.3340 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 22.5877, 0.6215, 0.3340 by changing the saturation by 10% instead.


 22.5877, 0.6215,
0.3340


 22.5877, 0.6215,
0.3340


265.6002, 0.4622,
0.3552


 14.2894, 0.6558,
0.3196


 47.7154, 0.5663,
0.3486


 8.3222, 0.7005,
0.2995


 65.3136, 0.5444,
0.3520

 4.3018, 0.7379,
0.2621

 86.7806, 0.5256,
0.3540

 1.8438, 0.7890,
0.2110

 112.5006, 0.5093,
0.3551

 0.5142, 0.8700,
0.1300

 142.8583, 0.4952,
0.3556

 0.0000, 1.0000,
0.0000

 178.2378, 0.4828,

 0.0000, 0.0000,


0.3557

0.0000


 219.0236, 0.4719,
0.3556

 22.5877, 0.6215,
0.3340


 22.5877, 0.6215,
0.3340


 21.5525, 0.6375,
0.3320

 24.7403, 0.5899,
0.3361

 28.1697, 0.5470,
0.3371

 33.0343, 0.4998,
0.3371

 39.4684, 0.4546,
0.3363

 47.5911, 0.4146,
0.3350

■ 57.5098, 0.3810,
0.3335

■ 69.3230, 0.3536,
0.3319

■ 83.1223, 0.3314,
0.3305

98.9930, 0.3136,
0.3291

Harmonies

Analogous

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



22.5877, 0.5563, 0.2556



22.5877, 0.6215, 0.3340



22.5877, 0.5674, 0.4288

Triad

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



22.5877, 0.6215, 0.3340



22.5877, 0.1904, 0.5837



22.5877, 0.1307, 0.1191

Complementary

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



22.5877, 0.6215, 0.3340



71.4601, 0.2216, 0.3139

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.



22.5877, 0.0875, 0.1335



22.5877, 0.6215, 0.3340



22.5877, 0.1061, 0.3520

Square

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



22.5877, 0.6215, 0.3340



22.5877, 0.3143, 0.6492



22.5877, 0.0783, 0.1961



22.5877, 0.2245, 0.1362

Rectangle

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



22.5877, 0.6215, 0.3340



22.5877, 0.4926, 0.5074



22.5877, 0.0783, 0.1961



22.5877, 0.1118, 0.1201

Sweetspot

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



22.5891, 0.6215, 0.3340



61.5295, 0.3705, 0.3329



28.4073, 0.3326, 0.1635



12.3506, 0.3805, 0.3335



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.



22.5891, 0.6215, 0.3340



21.5563, 0.6375, 0.3320



43.4701, 0.5123, 0.4244



18.1392, 0.3293, 0.3303



11.3258, 0.6365, 0.3328



1.1540, 0.6280, 0.3395

Inverse Universe

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



71.4601, 0.2216, 0.3139



70.5299, 0.2201, 0.3123



22.8380, 0.1783, 0.1558



20.3091, 0.2980, 0.3277



36.9241, 0.2202, 0.3126



3.6430, 0.2207, 0.3146

Previews

White Background



This preview shows how the Yxy color 22.5877, 0.6215, 0.3340 looks on a white background.

Color Contrast Check

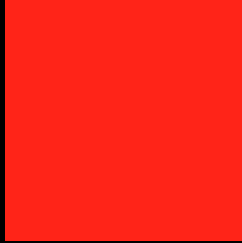
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5877, 0.6215, 0.3340 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 22.5877, 0.6215, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 22.5877, 0.6215, 0.3340.



This preview shows how white text looks on a background with the Yxy color 22.5877, 0.6215, 0.3340.

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

22.5877, 0.6215, 0.3340

Protanopia

22.6251, 0.4208, 0.4616

Deuteranopia

22.7742, 0.4705, 0.4646



Tritanopia

22.5610, 0.6182, 0.3314

Trichromacy



Original Color

22.5877, 0.6215, 0.3340

Protanomaly

18.9384, 0.5181, 0.3962

Deuteranomaly

19.8542, 0.5477, 0.3990

Tritanomaly

22.5459, 0.6199, 0.3324

Monochromacy



Original Color

22.5877, 0.6215, 0.3340

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8436, 0.4607, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5877, 0.6215, 0.3340 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, 36, 24)` looks like.

```
.text, #text, p{
  color:rgb(255, 36, 24)
}
```

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, 36, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 24) }
```

Border

The CSS property to change the border of an element to Yxy 22.5877, 0.6215, 0.3340 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, 36, 24) }
```

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

```
.border{ border-color:rgb(255, 36, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 36, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5877, 0.6215, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 24) }
```

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

```
.background{ background-color: rgb(255, 36,  
24) }
```

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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