

Converting Colors

$Y_{xy}(22.8614, 0.6131, 0.3314)$

Have a look what the booklet for
Yxy(22.8614, 0.6131, 0.3314)
contains.

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Color

Yxy(22.8384, 0.6131, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	FF2724
RGB	255, 39, 36
RGB Percent	100%, 15%, 14%
CMY	0.0000, 0.8472, 0.8588
CMYK	0.00, 0.85, 0.86, 0.00
HSL	1°, 100%, 57%
HSV	1°, 86%, 100%
XYZ	42.2900, 22.8384, 3.8489
YIQ	103.2420, 129.6990, 44.8590

Conversions

Conversions Part 2

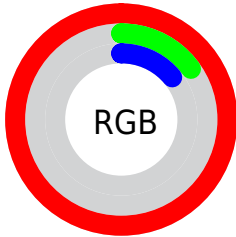
Format	Color
R_{YB}	255, 39, 36
Decimal	16721700
CIE _{Lab}	54.91, 76.09, 56.61
CIE _{LCh}	55, 94.837, 36.652
Yxy	22.8384, 0.6131, 0.3311
Android (android.graphics.Color)	4294911780 (0xFFFF2724)
YUV	103.2420, -33.1503, 133.0918
Hunter-Lab	47.7895, 74.3269, 28.6775

Details

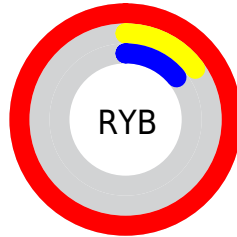
The Yxy color **22.8384, 0.6131, 0.3311** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **77.2458, 0.2257, 0.3252**, and the grayscale version is **13.6881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8374, 0.5176, 0.3519**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.5919, 0.6345, 0.3305**, and if you desaturate by 10%, it is **25.2824, 0.5761, 0.3315**.

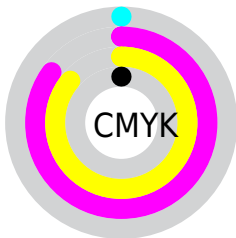
Distribution



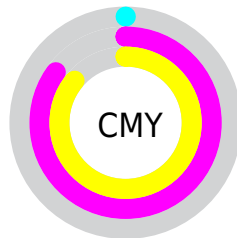
- Red (100%)
- Green (15%)
- Blue (14%)



- Red (100%)
- Yellow (15%)
- Blue (14%)



- Cyan (0%)
- Magenta (85%)
- Yellow (86%)
- Black (0%)





- Cyan (0%)
- Magenta (85%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8384, 0.6131, 0.3311 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 22.8384, 0.6131, 0.3311 by changing the saturation by 10% instead.


 22.8384, 0.6131,
0.3311


 22.8384, 0.6131,
0.3311


266.8939, 0.4561,
0.3511

 14.4742, 0.6483,
0.3179

 48.1278, 0.5577,
0.3445

 8.4512, 0.6928,
0.2984

 65.8219, 0.5361,
0.3477

 4.3850, 0.7360,
0.2640

 87.3947, 0.5176,
0.3496

 1.8912, 0.7866,
0.2134

 113.2307, 0.5017,
0.3507

 0.5431, 0.8654,
0.1346

 143.7142, 0.4879,
0.3513


 0.0000, 1.0000,
0.0000


 179.2296, 0.4759,


 0.0000, 0.0000,


0.3514

0.0000

 220.1614, 0.4654,
0.3514


 22.8384, 0.6131,
0.3311

 22.8384, 0.6131,
0.3311

 21.5919, 0.6345,
0.3305

 25.2824, 0.5761,
0.3315


 21.3346, 0.6394,
0.3305

 29.1385, 0.5297,
0.3316


 34.5728, 0.4817,
0.3314

 41.7303, 0.4374,
0.3310

 50.7396, 0.3994,
0.3306

 61.7169, 0.3681,
0.3301

 74.7692, 0.3428,
0.3296

 89.9955, 0.3226,
0.3292

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



22.8384, 0.5389, 0.2532



22.8384, 0.6131, 0.3311



22.8384, 0.5681, 0.4221

Triad

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



22.8384, 0.6131, 0.3311



22.8384, 0.2034, 0.5851



22.8384, 0.1305, 0.1235

Complementary

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



22.8384, 0.6131, 0.3311



77.2458, 0.2257, 0.3252

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.



22.8384, 0.0902, 0.1407



22.8384, 0.6131, 0.3311



22.8384, 0.1155, 0.3671

Square

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



22.8384, 0.6131, 0.3311



22.8384, 0.3269, 0.6358



22.8384, 0.0837, 0.2078



22.8384, 0.2188, 0.1383

Rectangle

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



22.8384, 0.6131, 0.3311



22.8384, 0.5008, 0.4992



22.8384, 0.0837, 0.2078



22.8384, 0.1127, 0.1253

Sweetspot

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



22.8359, 0.6131, 0.3311



61.5723, 0.3684, 0.3301



29.7422, 0.3207, 0.1592



12.3178, 0.3786, 0.3303



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.



22.8359, 0.6131, 0.3311



21.3346, 0.6394, 0.3305



41.7925, 0.5147, 0.4156



18.0262, 0.3294, 0.3294



11.1648, 0.6391, 0.3307



1.1003, 0.6369, 0.3325

Inverse Universe

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



77.2458, 0.2257, 0.3252



76.5660, 0.2235, 0.3246



28.0003, 0.1864, 0.1801



20.4369, 0.2980, 0.3286



40.0266, 0.2235, 0.3246



3.9102, 0.2237, 0.3251

Previews

White Background



This preview shows how the Yxy color 22.8384, 0.6131, 0.3311 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 22.8384, 0.6131, 0.3311 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 22.8384, 0.6131, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 22.8384, 0.6131, 0.3311.



This preview shows how white text looks on a background with the Yxy color 22.8384, 0.6131, 0.3311.

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

22.8384, 0.6131, 0.3311

Protanopia

22.9190, 0.4083, 0.4484

Deuteranopia

22.8827, 0.4716, 0.4637



Tritanopia

22.8384, 0.6131, 0.3311

Trichromacy



Original Color

22.8384, 0.6131, 0.3311

Protanomaly

19.4048, 0.5035, 0.3878

Deuteranomaly

20.1766, 0.5458, 0.3986

Tritanomaly

22.8384, 0.6131, 0.3311

Monochromacy



Original Color

22.8384, 0.6131, 0.3311

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5709, 0.4483, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8384, 0.6131, 0.3311 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 39, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 39, 36) }
```

Border

The CSS property to change the border of an element to Yxy 22.8384, 0.6131, 0.3311 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, 36) }
```

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

```
.border{ border-color:rgb(255, 39, 36) }
```

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, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 39, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 39, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 39,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8384, 0.6131, 0.3311 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, 36) }
```

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

```
.background{ background-color: rgb(255, 39,  
36) }
```

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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