

Converting Colors

Yxy(22.2005, 0.6238, 0.3309)

Have a look what the booklet for
Yxy(22.2005, 0.6238, 0.3309)
contains.

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Color

Yxy(22.2133, 0.6236, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	FF1D1A
RGB	255, 29, 26
RGB Percent	100%, 11%, 10%
CMY	0.0000, 0.8860, 0.8983
CMYK	0.00, 0.89, 0.90, 0.00
HSL	1°, 100%, 55%
HSV	1°, 90%, 100%
XYZ	41.8622, 22.2133, 3.0544
YIQ	96.2320, 135.6590, 46.9790

Conversions

Conversions Part 2

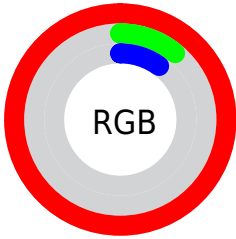
Format	Color
R_{YB}	255, 29, 26
Decimal	16719130
CIE _{Lab}	54.25, 77.61, 60.36
CIE _{LCh}	54, 98.315, 37.872
Yxy	22.2133, 0.6236, 0.3309
Android (android.graphics.Color)	4294909210 (0xFFFF1D1A)
YUV	96.2320, -34.6244, 139.2395
Hunter-Lab	47.1310, 76.0663, 29.1493

Details

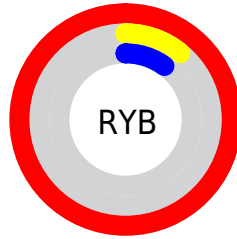
The Yxy color **22.2133, 0.6236, 0.3309** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **76.9579, 0.2248, 0.3249**, and the grayscale version is **11.8266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6824, 0.5299, 0.3535**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3441, 0.6392, 0.3305**, and if you desaturate by 10%, it is **24.1602, 0.5922, 0.3314**.

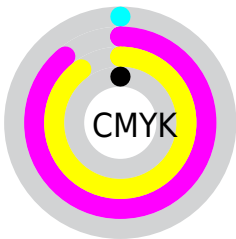
Distribution



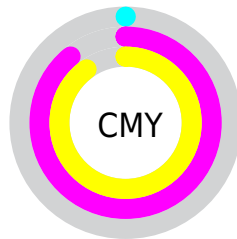
- Red (100%)
- Green (11%)
- Blue (10%)



- Red (100%)
- Yellow (11%)
- Blue (10%)



- Cyan (0%)
- Magenta (89%)
- Yellow (90%)
- Black (0%)





- Cyan (0%)
- Magenta (89%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2133, 0.6236, 0.3309 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 22.2133, 0.6236, 0.3309 by changing the saturation by 10% instead.


 22.2133, 0.6236,
0.3309


 22.2133, 0.6236,
0.3309

263.6582, 0.4626,
0.3536


 14.0137, 0.6585,
0.3162


 47.0983, 0.5676,
0.3460


 8.1302, 0.7043,
0.2957


 64.5525, 0.5454,
0.3496

 4.1784, 0.7424,
0.2576

 85.8603, 0.5264,
0.3518

 1.7738, 0.7941,
0.2059

 111.4062, 0.5100,
0.3531

 0.4708, 0.8787,
0.1213

 141.5745, 0.4957,
0.3537


 0.0000, 1.0000,
0.0000


 176.7497, 0.4833,


 0.0000, 0.0000,

0.3539


0.0000


 217.3161, 0.4723,
0.3538

 22.2133, 0.6236,
0.3309

 22.2133, 0.6236,
0.3309


 21.3441, 0.6392,
0.3305


 24.1602, 0.5922,
0.3314

 21.3339, 0.6394,
0.3305

 27.4391, 0.5486,
0.3316

 32.2322, 0.5005,
0.3315

 38.6928, 0.4542,
0.3312

 46.9551, 0.4136,
0.3308

■ 57.1397, 0.3797,
0.3303

■ 69.3569, 0.3521,
0.3298

■ 83.7086, 0.3301,
0.3294

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



22.2133, 0.5542, 0.2526



22.2133, 0.6236, 0.3309



22.2133, 0.5714, 0.4253

Triad

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



22.2133, 0.6236, 0.3309



22.2133, 0.1924, 0.5920



22.2133, 0.1278, 0.1180

Complementary

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



22.2133, 0.6236, 0.3309



76.9579, 0.2248, 0.3249

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.



22.2133, 0.0857, 0.1334



22.2133, 0.6236, 0.3309



22.2133, 0.1063, 0.3584

Square

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



22.2133, 0.6236, 0.3309



22.2133, 0.3171, 0.6500



22.2133, 0.0774, 0.1979



22.2133, 0.2201, 0.1343

Rectangle

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



22.2133, 0.6236, 0.3309



22.2133, 0.4963, 0.5037



22.2133, 0.0774, 0.1979



22.2133, 0.1093, 0.1193

Sweetspot

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



22.2147, 0.6236, 0.3309



60.3932, 0.3713, 0.3302



29.2128, 0.3208, 0.1571



12.0925, 0.3815, 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.



22.2147, 0.6236, 0.3309



21.3361, 0.6394, 0.3305



40.2229, 0.5236, 0.4140



18.0270, 0.3294, 0.3294



11.1659, 0.6391, 0.3307



1.1007, 0.6368, 0.3326

Inverse Universe

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



76.9579, 0.2248, 0.3249



76.5237, 0.2235, 0.3245



26.3288, 0.1831, 0.1727



20.4360, 0.2980, 0.3286



40.0049, 0.2235, 0.3246



3.9084, 0.2236, 0.3251

Previews

White Background



This preview shows how the Yxy color 22.2133, 0.6236, 0.3309 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 22.2133, 0.6236, 0.3309 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 22.2133, 0.6236, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 22.2133, 0.6236, 0.3309.



This preview shows how white text looks on a background with the Yxy color 22.2133, 0.6236, 0.3309.

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

22.2133, 0.6236, 0.3309

Protanopia

22.5488, 0.4181, 0.4602

Deuteranopia

22.3078, 0.4697, 0.4653



Tritanopia

22.2465, 0.6251, 0.3323

Trichromacy



Original Color

22.2133, 0.6236, 0.3309

Protanomaly

18.5910, 0.5192, 0.3921

Deuteranomaly

19.0348, 0.5527, 0.3948

Tritanomaly

22.2504, 0.6247, 0.3321

Monochromacy



Original Color

22.2133, 0.6236, 0.3309

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.9597, 0.4645, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2133, 0.6236, 0.3309 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, 29, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 29, 26)  
}
```

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, 29, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 26) }
```

Border

The CSS property to change the border of an element to Yxy 22.2133, 0.6236, 0.3309 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, 29, 26) }
```

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

```
.border{ border-color:rgb(255, 29, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 29, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2133, 0.6236, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 29, 26) }
```

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

```
.background{ background-color: rgb(255, 29,  
26) }
```

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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