

Converting Colors

$Y_{xy}(22.1338, 0.6201, 0.3317)$

Have a look what the booklet for
Yxy(22.1338, 0.6201, 0.3317)
contains.

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Color

Yxy(22.1105, 0.6201, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	FD221C
RGB	253, 34, 28
RGB Percent	99%, 13%, 11%
CMY	0.0077, 0.8669, 0.8902
CMYK	0.00, 0.87, 0.89, 0.01
HSL	2°, 98%, 55%
HSV	2°, 89%, 99%
XYZ	41.2974, 22.1105, 3.1900
YIQ	98.7970, 132.4500, 44.5620

Conversions

Conversions Part 2

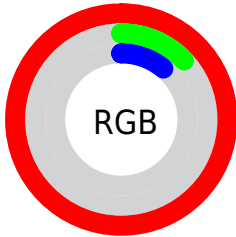
Format	Color
RYB	253, 34, 28
Decimal	16589340
CIELab	54.14, 76.36, 59.28
CIElCh	54, 96.668, 37.825
Yxy	22.1105, 0.6201, 0.3320
Android (android.graphics.Color)	4294779420 (0xFFFD221C)
YUV	98.7970, -34.9029, 135.2360
Hunter-Lab	47.0218, 74.4812, 28.8929

Details

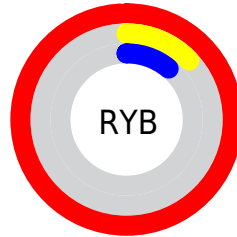
The Yxy color **22.1105, 0.6201, 0.3320** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **73.9235, 0.2240, 0.3215**, and the grayscale version is **12.4796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1039, 0.5272, 0.3546**, and **10.4391, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.0956, 0.6375, 0.3310**, and if you desaturate by 10%, it is **24.2315, 0.5869, 0.3330**.

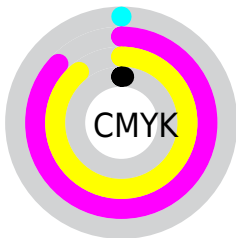
Distribution



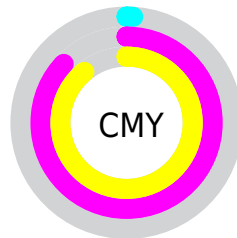
- Red (99%)
- Green (13%)
- Blue (11%)



- Red (99%)
- Yellow (13%)
- Blue (11%)



- Cyan (0%)
- Magenta (87%)
- Yellow (89%)
- Black (1%)





- Cyan (1%)
- Magenta (87%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1105, 0.6201, 0.3320 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 22.1105, 0.6201, 0.3320 by changing the saturation by 10% instead.


 22.1105, 0.6201,
0.3320


 22.1105, 0.6201,
0.3320


263.1228, 0.4602,
0.3534


 13.9381, 0.6551,
0.3177


 46.9286, 0.5642,
0.3465

 8.0776, 0.7020,
0.2980


 64.3430, 0.5422,
0.3499

 4.1447, 0.7400,
0.2600

 85.6070, 0.5233,
0.3520

 1.7548, 0.7918,
0.2082

 111.1048, 0.5070,
0.3531

 0.4588, 0.8781,
0.1219

 141.2209, 0.4929,
0.3537

 0.0000, 1.0000,
0.0000


 176.3397, 0.4806,


 0.0000, 0.0000,

0.3538


0.0000


 216.8455, 0.4698,
0.3537

 22.1105, 0.6201,
0.3320


 22.1105, 0.6201,
0.3320


 21.0956, 0.6375,
0.3310

 24.2315, 0.5869,
0.3330

 21.0325, 0.6388,
0.3310

 27.6647, 0.5426,
0.3334

 32.5773, 0.4947,
0.3333

 39.1110, 0.4493,
0.3328

 47.3908, 0.4097,
0.3320

 57.5296, 0.3766,
0.3312

 69.6306, 0.3498,
0.3304

 83.7897, 0.3283,
0.3296

99.6278, 0.3115,
0.3290

Harmonies

Analogous

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



22.1105, 0.5507, 0.2538



22.1105, 0.6201, 0.3320



22.1105, 0.5693, 0.4256

Triad

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



22.1105, 0.6201, 0.3320



22.1105, 0.1947, 0.5874



22.1105, 0.1294, 0.1198

Complementary

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



22.1105, 0.6201, 0.3320



73.9235, 0.2240, 0.3215

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.



22.1105, 0.0875, 0.1354



22.1105, 0.6201, 0.3320



22.1105, 0.1088, 0.3587

Square

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



22.1105, 0.6201, 0.3320



22.1105, 0.3189, 0.6458



22.1105, 0.0794, 0.2000



22.1105, 0.2212, 0.1360

Rectangle

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



22.1105, 0.6201, 0.3320



22.1105, 0.4963, 0.5037



22.1105, 0.0794, 0.2000



22.1105, 0.1110, 0.1212

Sweetspot

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



22.1119, 0.6201, 0.3320



60.7624, 0.3710, 0.3311



28.5755, 0.3245, 0.1597



12.1763, 0.3812, 0.3314



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.



22.1119, 0.6201, 0.3320



21.4058, 0.6388, 0.3310



40.9992, 0.5174, 0.4180



18.0636, 0.3294, 0.3297



11.2182, 0.6382, 0.3314



1.1181, 0.6339, 0.3349

Inverse Universe

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



73.9235, 0.2240, 0.3215



74.5291, 0.2224, 0.3206



25.1655, 0.1825, 0.1693



20.3945, 0.2980, 0.3283



38.9800, 0.2224, 0.3207



3.8203, 0.2227, 0.3217

Previews

White Background



This preview shows how the Yxy color 22.1105, 0.6201, 0.3320 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 22.1105, 0.6201, 0.3320 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 22.1105, 0.6201, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 22.1105, 0.6201, 0.3320.



This preview shows how white text looks on a background with the Yxy color 22.1105, 0.6201, 0.3320.

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

22.1105, 0.6201, 0.3320

Protanopia

22.2068, 0.4164, 0.4574

Deuteranopia

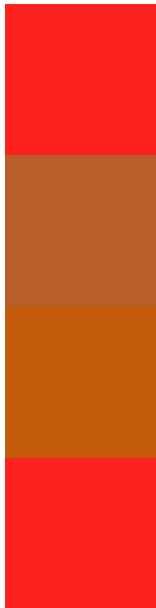
22.0584, 0.4711, 0.4641



Tritanopia

22.1154, 0.6195, 0.3317

Trichromacy



Original Color

22.1105, 0.6201, 0.3320

Protanomaly

18.5349, 0.5141, 0.3928

Deuteranomaly

19.2398, 0.5488, 0.3975

Tritanomaly

22.1154, 0.6195, 0.3317

Monochromacy



Original Color

22.1105, 0.6201, 0.3320

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4818, 0.4594, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1105, 0.6201, 0.3320 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(253, 34, 28)` looks like.

```
.text, #text, p{  
  color:rgb(253, 34, 28)  
}
```

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(253, 34, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 34, 28) }
```

Border

The CSS property to change the border of an element to Yxy 22.1105, 0.6201, 0.3320 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(253, 34, 28) }
```

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

```
.border{ border-color:rgb(253, 34, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 34, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 34, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 34, 28);  
box-shadow:4px 4px 4px 4px rgb(253, 34,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1105, 0.6201, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 34, 28) }
```

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

```
.background{ background-color: rgb(253, 34,  
28) }
```

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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