

Converting Colors

$Y_{xy}(24.2510, 0.5920, 0.3322)$

Have a look what the booklet for
Yxy(24.2510, 0.5920, 0.3322)
contains.

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Color

Yxy(24.2314, 0.5921, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	FF3733
RGB	255, 55, 51
RGB Percent	100%, 22%, 20%
CMY	0.0000, 0.7842, 0.8000
CMYK	0.00, 0.78, 0.80, 0.00
HSL	1°, 100%, 60%
HSV	1°, 80%, 100%
XYZ	43.2021, 24.2314, 5.5307
YIQ	114.3440, 120.4840, 41.1560

Conversions

Conversions Part 2

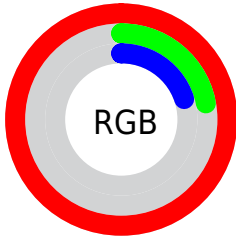
Format	Color
R_{YB}	255, 55, 51
Decimal	16725811
CIE Lab	56.32, 72.72, 50.62
CIE LCh	56, 88.601, 34.841
Yxy	24.2314, 0.5921, 0.3321
Android (android.graphics.Color)	4294915891 (0xFFFF3733)
YUV	114.3440, -31.2286, 123.3553
Hunter-Lab	49.2254, 70.5139, 27.7963

Details

The Yxy color **24.2314, 0.5921, 0.3321** 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 **76.8885, 0.2270, 0.3239**, and the grayscale version is **17.0086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3545, 0.4938, 0.3486**, and **10.8298, 0.6374, 0.3285** is the 20% darker color. If you saturate the color by 10%, you get **22.2615, 0.6234, 0.3314**, and if you desaturate by 10%, it is **27.5282, 0.5486, 0.3325**.

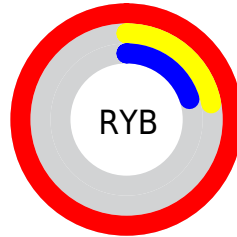
Distribution



Red (100%)

Green (22%)

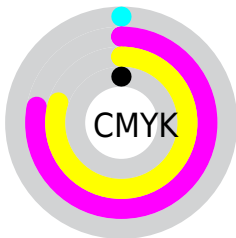
Blue (20%)



Red (100%)

Yellow (22%)

Blue (20%)

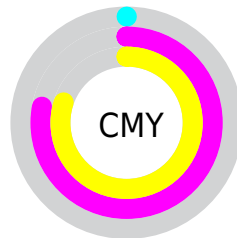


Cyan (0%)

Magenta (78%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2314, 0.5921, 0.3321 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 24.2314, 0.5921, 0.3321 by changing the saturation by 10% instead.


 24.2314, 0.5921,
0.3321


 24.2314, 0.5921,
0.3321


273.9883, 0.4444,
0.3476

 15.5054, 0.6268,
0.3214


 50.4075, 0.5389,
0.3427

 9.1748, 0.6682,
0.3040


 68.6264, 0.5186,
0.3452

 4.8554, 0.7223,
0.2777

 90.7784, 0.5013,
0.3466

 2.1627, 0.7702,
0.2298

 117.2479, 0.4865,
0.3474

 0.6995, 0.8397,
0.1603

 148.4192, 0.4738,
0.3478

 0.0000, 1.0000,
0.0000


 184.6768, 0.4627,


 0.0000, 0.0000,


0.3479

0.0000


226.4050, 0.4530,
0.3478

 24.2314, 0.5921,
0.3321

 24.2314, 0.5921,
0.3321


 22.2615, 0.6234,
0.3314


 27.5282, 0.5486,
0.3325

 21.3685, 0.6391,
0.3307

 32.3247, 0.5006,
0.3324

 38.7723, 0.4545,
0.3320

 47.0031, 0.4140,
0.3314

 57.1356, 0.3801,
0.3308

69.2781, 0.3525,
0.3302

83.5309, 0.3304,
0.3296

99.9875, 0.3127,
0.3290

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



24.2314, 0.5133, 0.2556



24.2314, 0.5921, 0.3321



24.2314, 0.5605, 0.4188

Triad

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



24.2314, 0.5921, 0.3321



24.2314, 0.2213, 0.5683



24.2314, 0.1371, 0.1343

Complementary

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



24.2314, 0.5921, 0.3321



76.8885, 0.2270, 0.3239

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.



24.2314, 0.0997, 0.1544



24.2314, 0.5921, 0.3321



24.2314, 0.1322, 0.3778

Square

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



24.2314, 0.5921, 0.3321



24.2314, 0.3411, 0.6107



24.2314, 0.0962, 0.2245



24.2314, 0.2191, 0.1468

Rectangle

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



24.2314, 0.5921, 0.3321



24.2314, 0.4999, 0.4876



24.2314, 0.0962, 0.2245



24.2314, 0.1204, 0.1369

Sweetspot

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



24.2329, 0.5921, 0.3321



64.1817, 0.3628, 0.3304



30.6280, 0.3238, 0.1655



12.8239, 0.3728, 0.3306



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.



24.2329, 0.5921, 0.3321



21.6254, 0.6343, 0.3308



45.4062, 0.4969, 0.4194



18.0446, 0.3294, 0.3295



11.1910, 0.6387, 0.3311



1.1090, 0.6354, 0.3337

Inverse Universe

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



76.8885, 0.2270, 0.3239



75.7513, 0.2234, 0.3229



29.6056, 0.1908, 0.1867



20.4160, 0.2980, 0.3285



39.5097, 0.2230, 0.3227



3.8658, 0.2232, 0.3234

Previews

White Background



This preview shows how the Yxy color 24.2314, 0.5921, 0.3321 looks on a white background.

Color Contrast Check

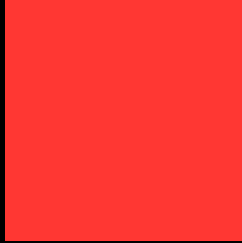
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2314, 0.5921, 0.3321 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 24.2314, 0.5921, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 24.2314, 0.5921, 0.3321.



This preview shows how white text looks on a background with the Yxy color 24.2314, 0.5921, 0.3321.

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

24.2314, 0.5921, 0.3321

Protanopia

24.1985, 0.3957, 0.4301

Deuteranopia

24.0999, 0.4591, 0.4500



Tritanopia

24.2682, 0.5884, 0.3298

Trichromacy



Original Color

24.2314, 0.5921, 0.3321

Protanomaly

21.3811, 0.4799, 0.3822

Deuteranomaly

21.8781, 0.5229, 0.3928

Tritanomaly

24.2587, 0.5894, 0.3304

Monochromacy



Original Color

24.2314, 0.5921, 0.3321

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.5834, 0.4274, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2314, 0.5921, 0.3321 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, 55, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 51)  
}
```

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, 55, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 51) }
```

Border

The CSS property to change the border of an element to Yxy 24.2314, 0.5921, 0.3321 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, 55, 51) }
```

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

```
.border{ border-color:rgb(255, 55, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 55, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2314, 0.5921, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 51) }
```

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

```
.background{ background-color: rgb(255, 55,  
51) }
```

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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