

Converting Colors

$Y_{xy}(22.2503, 0.6220, 0.3353)$

Have a look what the booklet for
Yxy(22.2503, 0.6220, 0.3353)
contains.

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Color

Yxy(22.2599, 0.6221, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	FD2515
RGB	253, 37, 21
RGB Percent	99%, 15%, 8%
CMY	0.0079, 0.8546, 0.9177
CMYK	0.00, 0.85, 0.92, 0.01
HSL	4°, 98%, 54%
HSV	4°, 92%, 99%
XYZ	41.3000, 22.2599, 2.8281
YIQ	99.7600, 133.8720, 40.8160

Conversions

Conversions Part 2

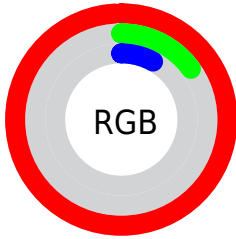
Format	Color
RYB	253, 38, 21
Decimal	16590101
CIELab	54.30, 75.69, 61.98
CIELCh	54, 97.825, 39.314
Yxy	22.2599, 0.6221, 0.3353
Android (android.graphics.Color)	4294780181 (0xFFFD2515)
YUV	99.7600, -38.8287, 134.3915
Hunter-Lab	47.1804, 73.6866, 29.4723

Details

The Yxy color **22.2599, 0.6221, 0.3353** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **67.7482, 0.2200, 0.3087**, and the grayscale version is **12.7649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4530, 0.5302, 0.3602**, and **10.4391, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2976, 0.6364, 0.3329**, and if you desaturate by 10%, it is **24.3758, 0.5916, 0.3381**.

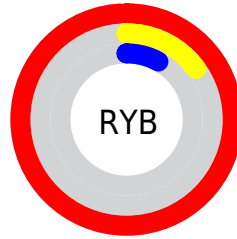
Distribution



Red (99%)

Green (15%)

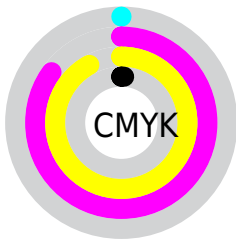
Blue (8%)



Red (99%)

Yellow (15%)

Blue (8%)

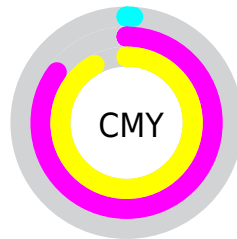


Cyan (0%)

Magenta (85%)

Yellow (92%)

Black (1%)



Cyan (1%)


Magenta (85%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2599, 0.6221, 0.3353 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 22.2599, 0.6221, 0.3353 by changing the saturation by 10% instead.


 22.2599, 0.6221,
0.3353


 22.2599, 0.6221,
0.3353


263.9005, 0.4626,
0.3563


 14.0480, 0.6562,
0.3207


 47.1752, 0.5669,
0.3500

 8.1541, 0.7000,
0.3000


 64.6473, 0.5450,
0.3534

 4.1937, 0.7377,
0.2623

 85.9751, 0.5261,
0.3554

 1.7825, 0.7893,
0.2107

 111.5427, 0.5098,
0.3564

 0.4762, 0.8740,
0.1260

 141.7347, 0.4956,
0.3569


 0.0000, 1.0000,
0.0000


 176.9354, 0.4832,


 0.0000, 0.0000,


0.3569

0.0000


 217.5292, 0.4723,
0.3567


 22.2599, 0.6221,
0.3353


 22.2599, 0.6221,
0.3353


 21.2976, 0.6364,
0.3329

 24.3758, 0.5916,
0.3381

 27.7076, 0.5496,
0.3396

 32.4031, 0.5030,
0.3397

 38.5880, 0.4580,
0.3387

 46.3736, 0.4179,
0.3371

■ 55.8608, 0.3840,
0.3351

■ 67.1420, 0.3562,
0.3331

■ 80.3031, 0.3336,
0.3311

■ 95.4243, 0.3154,
0.3293

Harmonies

Analogous

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



22.2599, 0.5595, 0.2568



22.2599, 0.6221, 0.3353



22.2599, 0.5663, 0.4309

Triad

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



22.2599, 0.6221, 0.3353



22.2599, 0.1878, 0.5810



22.2599, 0.1315, 0.1188

Complementary

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



22.2599, 0.6221, 0.3353



67.7482, 0.2200, 0.3087

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.



22.2599, 0.0876, 0.1325



22.2599, 0.6221, 0.3353



22.2599, 0.1046, 0.3479

Square

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



22.2599, 0.6221, 0.3353



22.2599, 0.3114, 0.6510



22.2599, 0.0778, 0.1938



22.2599, 0.2267, 0.1365

Rectangle

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



22.2599, 0.6221, 0.3353



22.2599, 0.4902, 0.5098



22.2599, 0.0778, 0.1938



22.2599, 0.1123, 0.1196

Sweetspot

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



22.2613, 0.6221, 0.3353



60.9082, 0.3730, 0.3344



27.5592, 0.3370, 0.1655



12.0351, 0.3859, 0.3352



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.



22.2613, 0.6221, 0.3353



21.6829, 0.6364, 0.3329



43.5348, 0.5100, 0.4275



18.1893, 0.3293, 0.3307



11.4037, 0.6352, 0.3339



1.1777, 0.6242, 0.3425

Inverse Universe

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



67.7482, 0.2200, 0.3087



67.9632, 0.2185, 0.3068



21.0494, 0.1760, 0.1486



20.2528, 0.2980, 0.3273



35.6039, 0.2187, 0.3071



3.5288, 0.2194, 0.3098

Previews

White Background



This preview shows how the Yxy color 22.2599, 0.6221, 0.3353 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 22.2599, 0.6221, 0.3353 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 22.2599, 0.6221, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 22.2599, 0.6221, 0.3353.



This preview shows how white text looks on a background with the Yxy color 22.2599, 0.6221, 0.3353.

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

22.2599, 0.6221, 0.3353

Protanopia

22.5108, 0.4216, 0.4655

Deuteranopia

22.3078, 0.4697, 0.4653



Tritanopia

22.2487, 0.6167, 0.3314

Trichromacy



Original Color

22.2599, 0.6221, 0.3353

Protanomaly

18.9792, 0.5180, 0.4001

Deuteranomaly

19.4076, 0.5479, 0.3992

Tritanomaly

22.2282, 0.6191, 0.3328

Monochromacy



Original Color

22.2599, 0.6221, 0.3353

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8306, 0.4624, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2599, 0.6221, 0.3353 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, 37, 21)` looks like.

```
.text, #text, p{  
  color:rgb(253, 37, 21)  
}
```

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, 37, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 37, 21) }
```

Border

The CSS property to change the border of an element to Yxy 22.2599, 0.6221, 0.3353 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, 37, 21) }
```

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

```
.border{ border-color:rgb(253, 37, 21) }
```

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

Here you see how a box with a 4 pixel rgb(253, 37, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 37, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 37, 21);  
box-shadow:4px 4px 4px 4px rgb(253, 37,  
21) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.2599, 0.6221, 0.3353$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 37, 21) }
```

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

```
.background{ background-color: rgb(253, 37,  
21) }
```

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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