

Converting Colors

$Yxy(22.6636, 0.6162, 0.3312)$

Have a look what the booklet for
Yxy(22.6636, 0.6162, 0.3312)
contains.

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Color

Yxy(22.6929, 0.6160, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	FF2521
RGB	255, 37, 33
RGB Percent	100%, 15%, 13%
CMY	0.0001, 0.8545, 0.8707
CMYK	0.00, 0.85, 0.87, 0.00
HSL	1°, 100%, 56%
HSV	1°, 87%, 100%
XYZ	42.1684, 22.6929, 3.5939
YIQ	101.7260, 131.2120, 44.9720

Conversions

Conversions Part 2

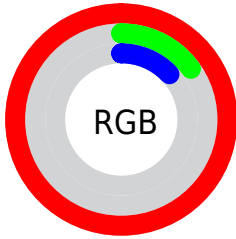
Format	Color
R_{YB}	255, 37, 33
Decimal	16721185
CIE _{Lab}	54.75, 76.37, 57.84
CIE _{LCh}	55, 95.798, 37.137
Yxy	22.6929, 0.6160, 0.3315
Android (android.graphics.Color)	4294911265 (0xFFFF2521)
YUV	101.7260, -33.8819, 134.4213
Hunter-Lab	47.6371, 74.6436, 28.8729

Details

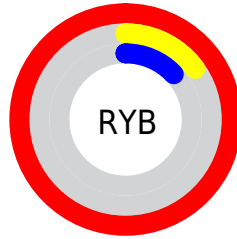
The Yxy color **22.6929, 0.6160, 0.3315** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **76.4286, 0.2250, 0.3237**, and the grayscale version is **13.2902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5943, 0.5205, 0.3525**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.5362, 0.6357, 0.3307**, and if you desaturate by 10%, it is **25.0245, 0.5804, 0.3321**.

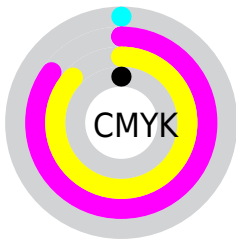
Distribution



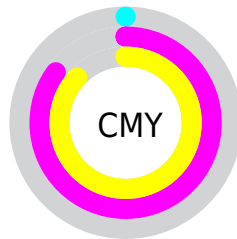
- Red (100%)
- Green (15%)
- Blue (13%)



- Red (100%)
- Yellow (15%)
- Blue (13%)



- Cyan (0%)
- Magenta (85%)
- Yellow (87%)
- Black (0%)




- Cyan (0%)
- Magenta (85%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6929, 0.6160, 0.3315 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 22.6929, 0.6160, 0.3315 by changing the saturation by 10% instead.


 22.6929, 0.6160,
0.3315


 22.6929, 0.6160,
0.3315


266.1437, 0.4579,
0.3521


 14.3669, 0.6510,
0.3179


 47.8886, 0.5605,
0.3453

 8.3763, 0.6964,
0.2984


 65.5271, 0.5387,
0.3486


 4.3367, 0.7373,
0.2627

 87.0385, 0.5201,
0.3506

 1.8636, 0.7882,
0.2118

 112.8073, 0.5041,
0.3517

 0.5264, 0.8682,
0.1318

 143.2178, 0.4902,
0.3522


 0.0000, 1.0000,
0.0000


 178.6544, 0.4780,

 0.0000, 0.0000,


0.3524

0.0000


 219.5016, 0.4674,
0.3523


 22.6929, 0.6160,
0.3315


 22.6929, 0.6160,
0.3315


 21.5362, 0.6357,
0.3307

 25.0245, 0.5804,
0.3321

 21.3581, 0.6392,
0.3307

 28.7352, 0.5348,
0.3323

 33.9954, 0.4868,
0.3321

 40.9495, 0.4420,
0.3317

 49.7255, 0.4034,
0.3311

60.4392, 0.3714,
0.3305

73.1968, 0.3455,
0.3299

88.0966, 0.3248,
0.3294

99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



22.6929, 0.5437, 0.2535



22.6929, 0.6160, 0.3315



22.6929, 0.5685, 0.4234

Triad

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



22.6929, 0.6160, 0.3315



22.6929, 0.1998, 0.5860



22.6929, 0.1300, 0.1220

Complementary

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



22.6929, 0.6160, 0.3315



76.4286, 0.2250, 0.3237

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.



22.6929, 0.0891, 0.1385



22.6929, 0.6160, 0.3315



22.6929, 0.1127, 0.3637

Square

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



22.6929, 0.6160, 0.3315



22.6929, 0.3237, 0.6399



22.6929, 0.0819, 0.2046



22.6929, 0.2198, 0.1373

Rectangle

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



22.6929, 0.6160, 0.3315



22.6929, 0.4990, 0.5010



22.6929, 0.0819, 0.2046



22.6929, 0.1120, 0.1236

Sweetspot

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



22.6943, 0.6160, 0.3315



61.7209, 0.3683, 0.3305



29.3228, 0.3244, 0.1606



12.3517, 0.3784, 0.3307



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.



22.6943, 0.6160, 0.3315



21.3633, 0.6392, 0.3307



42.4406, 0.5134, 0.4187



18.0413, 0.3294, 0.3295



11.1863, 0.6388, 0.3310



1.1075, 0.6357, 0.3335

Inverse Universe

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



76.4286, 0.2250, 0.3237



75.7410, 0.2231, 0.3230



26.3759, 0.1840, 0.1728



20.4198, 0.2980, 0.3285



39.6027, 0.2231, 0.3231



3.8738, 0.2233, 0.3237

Previews

White Background



This preview shows how the Yxy color 22.6929, 0.6160, 0.3315 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 22.6929, 0.6160, 0.3315 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 22.6929, 0.6160, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 22.6929, 0.6160, 0.3315.



This preview shows how white text looks on a background with the Yxy color 22.6929, 0.6160, 0.3315.

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

22.6929, 0.6160, 0.3315

Protanopia

22.8799, 0.4116, 0.4534

Deuteranopia

22.7742, 0.4705, 0.4646



Tritanopia

22.6929, 0.6160, 0.3315

Trichromacy



Original Color

22.6929, 0.6160, 0.3315

Protanomaly

19.1857, 0.5088, 0.3902

Deuteranomaly

19.8610, 0.5468, 0.3982

Tritanomaly

22.6929, 0.6160, 0.3315

Monochromacy



Original Color

22.6929, 0.6160, 0.3315

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.2537, 0.4537, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6929, 0.6160, 0.3315 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, 37, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 37, 33)  
}
```

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, 37, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 37, 33) }
```

Border

The CSS property to change the border of an element to Yxy 22.6929, 0.6160, 0.3315 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, 37, 33) }
```

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

```
.border{ border-color:rgb(255, 37, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 37, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 37, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 37, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 37,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6929, 0.6160, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 37, 33) }
```

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

```
.background{ background-color: rgb(255, 37,  
33) }
```

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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