

Converting Colors

$Y_{xy}(22.6088, 0.6151, 0.3299)$

Have a look what the booklet for
Yxy(22.6088, 0.6151, 0.3299)
contains.

Yxy(22.6431, 0.6152, 0.3303)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.6431, 0.6152, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	FF2423
RGB	255, 36, 35
RGB Percent	100%, 14%, 14%
CMY	0.0000, 0.8587, 0.8628
CMYK	0.00, 0.86, 0.86, 0.00
HSL	0°, 100%, 57%
HSV	0°, 86%, 100%
XYZ	42.1739, 22.6431, 3.7361
YIQ	101.3670, 130.8450, 46.1170

Conversions

Conversions Part 2

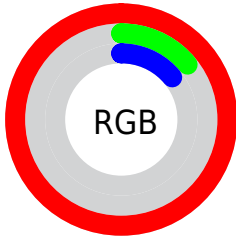
Format	Color
R_{YB}	255, 36, 35
Decimal	16720931
CIE _{Lab}	54.70, 76.61, 56.91
CIE _{LCh}	55, 95.435, 36.607
Yxy	22.6431, 0.6152, 0.3303
Android (android.graphics.Color)	4294911011 (0xFFFF2423)
YUV	101.3670, -32.7189, 134.7361
Hunter-Lab	47.5848, 74.9294, 28.6541

Details

The Yxy color **22.6431, 0.6152, 0.3303** 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 **78.4275, 0.2262, 0.3275**, and the grayscale version is **13.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6097, 0.5195, 0.3517**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.5120, 0.6355, 0.3301**, and if you desaturate by 10%, it is **24.9723, 0.5789, 0.3304**.

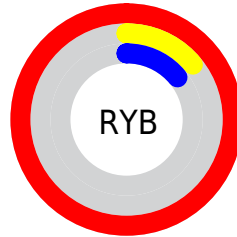
Distribution



Red (100%)

Green (14%)

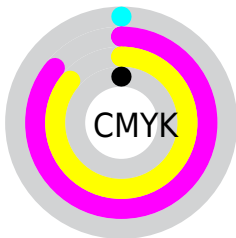
Blue (14%)



Red (100%)

Yellow (14%)

Blue (14%)

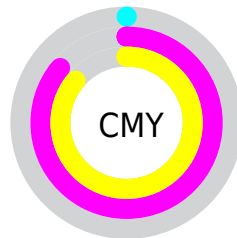


Cyan (0%)

Magenta (86%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (86%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6431, 0.6152, 0.3303 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 22.6431, 0.6152, 0.3303 by changing the saturation by 10% instead.


 22.6431, 0.6152,
0.3303


 22.6431, 0.6152,
0.3303


265.8866, 0.4571,
0.3511


 14.3302, 0.6505,
0.3168


 47.8066, 0.5595,
0.3441

 8.3507, 0.6956,
0.2971


 65.4260, 0.5377,
0.3474

 4.3202, 0.7381,
0.2619

 86.9164, 0.5191,
0.3494

 1.8542, 0.7891,
0.2109

 112.6622, 0.5031,
0.3505

 0.5206, 0.8695,
0.1305

 143.0476, 0.4892,
0.3511

 0.0000, 1.0000,
0.0000


 178.4573, 0.4771,


 0.0000, 0.0000,


0.3513

0.0000


 219.2754, 0.4665,
0.3513


 22.6431, 0.6152,
0.3303


 22.6431, 0.6152,
0.3303


 21.5120, 0.6355,
0.3301


 24.9723, 0.5789,
0.3304

 21.2862, 0.6398,
0.3302

 28.7131, 0.5328,
0.3303

 34.0426, 0.4844,
0.3302

 41.1111, 0.4396,
0.3300

 50.0514, 0.4011,
0.3297

60.9836, 0.3694,
0.3295

74.0176, 0.3438,
0.3293

89.2553, 0.3234,
0.3291

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



22.6431, 0.5406, 0.2524



22.6431, 0.6152, 0.3303



22.6431, 0.5696, 0.4216

Triad

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



22.6431, 0.6152, 0.3303



22.6431, 0.2023, 0.5881



22.6431, 0.1293, 0.1223

Complementary

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



22.6431, 0.6152, 0.3303



78.4275, 0.2262, 0.3275

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.



22.6431, 0.0891, 0.1396



22.6431, 0.6152, 0.3303



22.6431, 0.1142, 0.3675

Square

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



22.6431, 0.6152, 0.3303



22.6431, 0.3262, 0.6381



22.6431, 0.0825, 0.2068



22.6431, 0.2179, 0.1372

Rectangle

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



22.6431, 0.6152, 0.3303



22.6431, 0.5011, 0.4989



22.6431, 0.0825, 0.2068



22.6431, 0.1116, 0.1241

Sweetspot

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



22.6445, 0.6152, 0.3303



61.3234, 0.3686, 0.3295



29.6805, 0.3207, 0.1589



12.2610, 0.3788, 0.3296



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.



22.6445, 0.6152, 0.3303



21.2864, 0.6398, 0.3302



41.6284, 0.5157, 0.4155



18.0010, 0.3294, 0.3292



11.1286, 0.6397, 0.3302



1.0882, 0.6389, 0.3309

Inverse Universe

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



78.4275, 0.2262, 0.3275



77.9655, 0.2242, 0.3273



27.8243, 0.1861, 0.1793



20.4657, 0.2980, 0.3288



40.7455, 0.2243, 0.3273



3.9719, 0.2243, 0.3275

Previews

White Background



This preview shows how the Yxy color 22.6431, 0.6152, 0.3303 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 22.6431, 0.6152, 0.3303 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 22.6431, 0.6152, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 22.6431, 0.6152, 0.3303.



This preview shows how white text looks on a background with the Yxy color 22.6431, 0.6152, 0.3303.

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

22.6431, 0.6152, 0.3303

Protanopia

22.9089, 0.4091, 0.4497

Deuteranopia

22.7742, 0.4705, 0.4646



Tritanopia

22.6316, 0.6165, 0.3311

Trichromacy



Original Color

22.6431, 0.6152, 0.3303

Protanomaly

19.2102, 0.5058, 0.3875

Deuteranomaly

19.8635, 0.5464, 0.3979

Tritanomaly

22.6372, 0.6158, 0.3307

Monochromacy



Original Color

22.6431, 0.6152, 0.3303

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0117, 0.4531, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6431, 0.6152, 0.3303 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, 36, 35)` looks like.

```
.text, #text, p{  
  color:rgb(255, 36, 35)  
}
```

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, 36, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 35) }
```

Border

The CSS property to change the border of an element to Yxy 22.6431, 0.6152, 0.3303 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, 36, 35) }
```

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

```
.border{ border-color:rgb(255, 36, 35) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6431, 0.6152, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 35) }
```

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

```
.background{ background-color: rgb(255, 36,  
35) }
```

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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