

Converting Colors

$Y_{xy}(22.6509, 0.5993, 0.3195)$

Have a look what the booklet for
Yxy(22.6509, 0.5993, 0.3195)
contains.

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Color

Yxy(22.6799, 0.5992, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	FF2237
RGB	255, 34, 55
RGB Percent	100%, 13%, 22%
CMY	0.0000, 0.8669, 0.7843
CMYK	0.00, 0.87, 0.78, 0.00
HSL	354°, 100%, 57%
HSV	354°, 87%, 100%
XYZ	42.5080, 22.6799, 5.7533
YIQ	102.4730, 124.9750, 53.3830

Conversions

Conversions Part 2

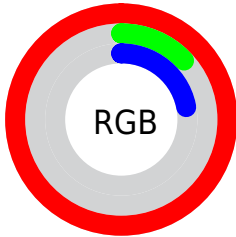
Format	Color
R_{YB}	255, 34, 55
Decimal	16720439
CIE _{Lab}	54.74, 77.45, 46.92
CIE _{LCh}	55, 90.551, 31.207
Yxy	22.6799, 0.5992, 0.3197
Android (android.graphics.Color)	4294910519 (0xFFFF2237)
YUV	102.4730, -23.4042, 133.7662
Hunter-Lab	47.6234, 75.9855, 26.1736

Details

The Yxy color **22.6799, 0.5992, 0.3197** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.7962, 0.2339, 0.3550**, and the grayscale version is **13.4476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7547, 0.4980, 0.3333**, and **10.8454, 0.6336, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **21.5474, 0.6257, 0.3242**, and if you desaturate by 10%, it is **24.9858, 0.5602, 0.3166**.

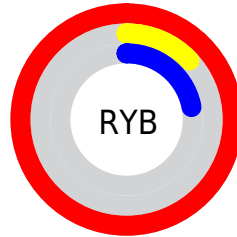
Distribution



Red (100%)

Green (13%)

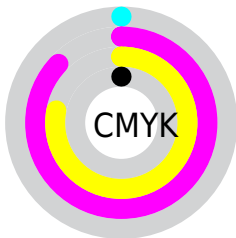
Blue (22%)



Red (100%)

Yellow (13%)

Blue (22%)

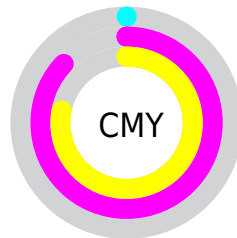


Cyan (0%)

Magenta (87%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6799, 0.5992, 0.3197 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 22.6799, 0.5992, 0.3197 by changing the saturation by 10% instead.


 22.6799, 0.5992,
0.3197

 22.6799, 0.5992,
0.3197


266.0766, 0.4457,
0.3413


 14.3573, 0.6361,
0.3076

 47.8672, 0.5433,
0.3325


 8.3696, 0.6804,
0.2883


 65.5007, 0.5221,
0.3357


 4.3324, 0.7399,
0.2601

 87.0066, 0.5042,
0.3379

 1.8612, 0.7908,
0.2092

 112.7694, 0.4890,
0.3393

 0.5249, 0.8706,
0.1294

 143.1734, 0.4758,
0.3402

 0.0000, 1.0000,
0.0000

 178.6030, 0.4645,

 0.0000, 0.0000,

0.3408

0.0000

219.4426, 0.4545,
0.3411

■ 22.6799, 0.5992,
0.3197

■ 22.6799, 0.5992,
0.3197

■ 21.5474, 0.6257,
0.3242

■ 24.9858, 0.5602,
0.3166


■ 21.3272, 0.6317,
0.3254

■ 28.6920, 0.5150,
0.3155


■ 33.9705, 0.4698,
0.3159

■ 40.9705, 0.4288,
0.3176

■ 49.8239, 0.3939,
0.3198

 60.6498, 0.3651,
0.3224

 73.5571, 0.3418,
0.3250

 88.6469, 0.3231,
0.3274

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



22.6799, 0.5042, 0.2432



22.6799, 0.5992, 0.3197



22.6799, 0.5756, 0.4055

Triad

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



22.6799, 0.5992, 0.3197



22.6799, 0.2299, 0.5976



22.6799, 0.1253, 0.1294

Complementary

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



22.6799, 0.5992, 0.3197



77.7962, 0.2339, 0.3550

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.



22.6799, 0.0921, 0.1540



22.6799, 0.5992, 0.3197



22.6799, 0.1337, 0.4047

Square

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



22.6799, 0.5992, 0.3197



22.6799, 0.3535, 0.6140



22.6799, 0.0921, 0.2334



22.6799, 0.2023, 0.1385

Rectangle

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



22.6799, 0.5992, 0.3197



22.6799, 0.5168, 0.4760



22.6799, 0.0921, 0.2334



22.6799, 0.1102, 0.1333

Sweetspot

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



22.6773, 0.5992, 0.3197



61.4672, 0.3633, 0.3226



25.6673, 0.2988, 0.1469



12.2940, 0.3725, 0.3217



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.



22.6773, 0.5992, 0.3197



21.3272, 0.6317, 0.3254



35.3855, 0.5411, 0.3945



18.0152, 0.3279, 0.3268



11.1532, 0.6295, 0.3242



1.0949, 0.6090, 0.3129

Inverse Universe

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



22.6773, 0.5992, 0.3197



21.3272, 0.6317, 0.3254



35.0433, 0.1941, 0.2096



18.0152, 0.3279, 0.3268



11.1532, 0.6295, 0.3242



1.0949, 0.6090, 0.3129

Previews

White Background



This preview shows how the Yxy color 22.6799, 0.5992, 0.3197 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 22.6799, 0.5992, 0.3197 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 22.6799, 0.5992, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 22.6799, 0.5992, 0.3197.



This preview shows how white text looks on a background with the Yxy color 22.6799, 0.5992, 0.3197.

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

22.6799, 0.5992, 0.3197

Protanopia

22.6814, 0.3819, 0.4131

Deuteranopia

22.8065, 0.4547, 0.4470



Tritanopia

22.7676, 0.6142, 0.3311

Trichromacy



Original Color

22.6799, 0.5992, 0.3197

Protanomaly

19.0240, 0.4774, 0.3615

Deuteranomaly

19.8419, 0.5285, 0.3803

Tritanomaly

22.7503, 0.6096, 0.3277

Monochromacy



Original Color

22.6799, 0.5992, 0.3197

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.2327, 0.4400, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6799, 0.5992, 0.3197 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, 34, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 34, 55)  
}
```

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, 34, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 55) }
```

Border

The CSS property to change the border of an element to Yxy 22.6799, 0.5992, 0.3197 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, 34, 55) }
```

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

```
.border{ border-color:rgb(255, 34, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 34, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6799, 0.5992, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 34, 55) }
```

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

```
.background{ background-color: rgb(255, 34,  
55) }
```

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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