

Converting Colors

$Y_{xy}(22.7922, 0.5732, 0.3196)$

Have a look what the booklet for
Yxy(22.7922, 0.5732, 0.3196)
contains.

Yxy(22.8298, 0.5730, 0.3192)	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(22.8298, 0.5730, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	F83444
RGB	248, 52, 68
RGB Percent	97%, 20%, 27%
CMY	0.0275, 0.7960, 0.7335
CMYK	0.00, 0.79, 0.73, 0.03
HSL	355°, 93%, 59%
HSV	355°, 79%, 97%
XYZ	40.9821, 22.8298, 7.7101
YIQ	112.4280, 111.6800, 46.5280

Conversions

Conversions Part 2

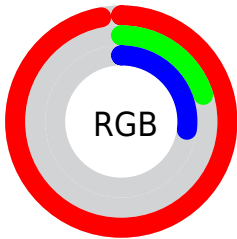
Format	Color
R_{YB}	248, 52, 68
Decimal	16266308
CIE _{Lab}	54.90, 72.15, 39.49
CIE _{LCh}	55, 82.249, 28.696
Yxy	22.8298, 0.5730, 0.3192
Android (android.graphics.Color)	4294456388 (0xFFFF83444)
YUV	112.4280, -21.9030, 118.8966
Hunter-Lab	47.7805, 69.4861, 23.8791

Details

The Yxy color **22.8298, 0.5730, 0.3192** 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 **73.6944, 0.2346, 0.3489**, and the grayscale version is **16.3789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0117, 0.4765, 0.3295**, and **10.1375, 0.6220, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **20.9413, 0.6092, 0.3223**, and if you desaturate by 10%, it is **25.9901, 0.5285, 0.3177**.

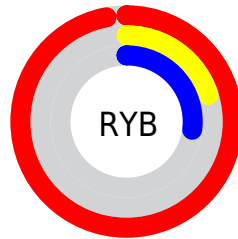
Distribution



Red (97%)

Green (20%)

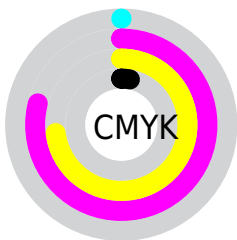
Blue (27%)



Red (97%)

Yellow (20%)

Blue (27%)

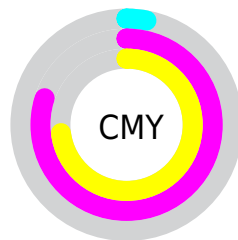


Cyan (0%)

Magenta (79%)

Yellow (73%)

Black (3%)



Cyan (3%)


Magenta (80%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8298, 0.5730, 0.3192 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 22.8298, 0.5730, 0.3192 by changing the saturation by 10% instead.


 22.8298, 0.5730,
0.3192


 22.8298, 0.5730,
0.3192


266.8496, 0.4312,
0.3372


 14.4679, 0.6090,
0.3092


 48.1137, 0.5202,
0.3296

 8.4468, 0.6538,
0.2931


 65.8045, 0.5006,
0.3323


 4.3822, 0.7161,
0.2692

 87.3737, 0.4842,
0.3341

 1.8895, 0.7769,
0.2231

 113.2057, 0.4703,
0.3353

 0.5421, 0.8569,
0.1431

 143.6849, 0.4584,
0.3361

 0.0000, 1.0000,
0.0000

179.1957, 0.4481,

 0.0000, 0.0000,

0.3366

0.0000

220.1224, 0.4391,
0.3370

■ 22.8298, 0.5730,
0.3192

■ 22.8298, 0.5730,
0.3192

■ 20.9413, 0.6092,
0.3223

■ 25.9901, 0.5285,
0.3177

■ 20.0684, 0.6317,
0.3260


■ 30.5890, 0.4824,
0.3178


■ 20.0075, 0.6333,
0.3262

■ 36.7724, 0.4397,
0.3189

■ 44.6672, 0.4027,
0.3208

■ 54.3875, 0.3721,
0.3229

 66.0375, 0.3472,
0.3251

 79.7135, 0.3273,
0.3272

 95.5054, 0.3113,
0.3292

 98.6964, 0.3084,
0.3290

Harmonies

Analogous

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



22.8298, 0.4759, 0.2450



22.8298, 0.5730, 0.3192



22.8298, 0.5650, 0.4014

Triad

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



22.8298, 0.5730, 0.3192



22.8298, 0.2503, 0.5769



22.8298, 0.1328, 0.1423

Complementary

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



22.8298, 0.5730, 0.3192



73.6944, 0.2346, 0.3489

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.



22.8298, 0.1033, 0.1707



22.8298, 0.5730, 0.3192



22.8298, 0.1540, 0.4148

Square

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



22.8298, 0.5730, 0.3192



22.8298, 0.3686, 0.5874



22.8298, 0.1074, 0.2534



22.8298, 0.2028, 0.1482

Rectangle

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



22.8298, 0.5730, 0.3192



22.8298, 0.5154, 0.4647



22.8298, 0.1074, 0.2534



22.8298, 0.1190, 0.1473

Sweetspot

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



22.8312, 0.5730, 0.3192



63.8679, 0.3590, 0.3240



26.3354, 0.3041, 0.1560



12.7515, 0.3682, 0.3232



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.



22.8312, 0.5730, 0.3192



21.6483, 0.6246, 0.3247



37.1660, 0.5148, 0.4001



17.2481, 0.3281, 0.3271



10.8160, 0.6314, 0.3252



1.0094, 0.6123, 0.3147

Inverse Universe

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



22.8312, 0.5730, 0.3192



21.6483, 0.6246, 0.3247



34.9048, 0.1993, 0.2170



17.2481, 0.3281, 0.3271



10.8160, 0.6314, 0.3252



1.0094, 0.6123, 0.3147

Previews

White Background



This preview shows how the Yxy color 22.8298, 0.5730, 0.3192 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 22.8298, 0.5730, 0.3192 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 22.8298, 0.5730, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 22.8298, 0.5730, 0.3192.



This preview shows how white text looks on a background with the Yxy color 22.8298, 0.5730, 0.3192.

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

22.8298, 0.5730, 0.3192

Protanopia

23.0795, 0.3658, 0.3932

Deuteranopia

22.8453, 0.4397, 0.4300



Tritanopia

22.8706, 0.5861, 0.3292

Trichromacy



Original Color

22.8298, 0.5730, 0.3192

Protanomaly

20.1801, 0.4492, 0.3549

Deuteranomaly

20.6637, 0.5020, 0.3746

Tritanomaly

22.8289, 0.5815, 0.3254

Monochromacy



Original Color

22.8298, 0.5730, 0.3192

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.7339, 0.4158, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8298, 0.5730, 0.3192 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(248, 52, 68)` looks like.

```
.text, #text, p{  
    color:rgb(248, 52, 68)  
}
```

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(248, 52, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 52, 68) }
```

Border

The CSS property to change the border of an element to Yxy 22.8298, 0.5730, 0.3192 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(248, 52, 68) }
```

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

```
.border{ border-color:rgb(248, 52, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 52, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 52, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 52, 68);  
box-shadow:4px 4px 4px 4px rgb(248, 52,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8298, 0.5730, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 52, 68) }
```

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

```
.background{ background-color: rgb(248, 52,  
68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor