

# Converting Colors

$Yxy(22.4702, 0.5799, 0.3224)$

Have a look what the booklet for  
Yxy(22.4702, 0.5799, 0.3224)  
contains.

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**Color**

**Yxy(22.4896, 0.5800, 0.3228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7333E
RGB	247, 51, 62
RGB Percent	97%, 20%, 24%
CMY	0.0314, 0.7999, 0.7568
CMYK	0.00, 0.79, 0.75, 0.03
HSL	357°, 92%, 58%
HSV	357°, 79%, 97%
XYZ	40.4088, 22.4896, 6.7720
YIQ	110.8580, 113.2850, 44.9730

# Conversions

## Conversions Part 2

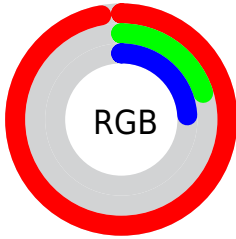
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 51, 62
Decimal	16200510
CIE Lab	54.54, 71.90, 42.38
CIE LCh	55, 83.466, 30.518
Yxy	22.4896, 0.5800, 0.3228
Android (android.graphics.Color)	4294390590 (0xFFFF7333E)
YUV	110.8580, -24.0870, 119.3965
Hunter-Lab	47.4232, 69.1074, 24.7297

# Details

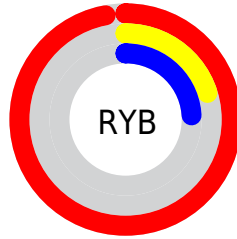
The Yxy color **22.4896, 0.5800, 0.3228** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **73.2755, 0.2326, 0.3425**, and the grayscale version is **15.9054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6473, 0.4843, 0.3343**, and **9.9921, 0.6277, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **20.6705, 0.6148, 0.3251**, and if you desaturate by 10%, it is **25.5658, 0.5355, 0.3216**.

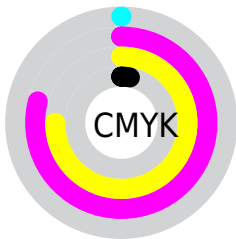
# Distribution



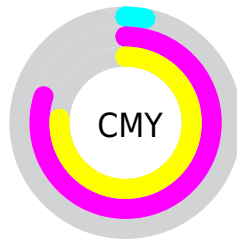
- Red (97%)
- Green (20%)
- Blue (24%)



- Red (97%)
- Yellow (20%)
- Blue (24%)



- Cyan (0%)
- Magenta (79%)
- Yellow (75%)
- Black (3%)




- Cyan (3%)
- Magenta (80%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4896, 0.5800, 0.3228 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 22.4896, 0.5800, 0.3228 by changing the saturation by 10% instead.





 22.4896, 0.5800,  
0.3228


 22.4896, 0.5800,  
0.3228


265.0925, 0.4349,  
0.3401


 14.2171, 0.6163,  
0.3124


 47.5539, 0.5263,  
0.3334

 8.2718, 0.6609,  
0.2955


 65.1144, 0.5062,  
0.3360

 4.2694, 0.7277,  
0.2723

 86.5398, 0.4894,  
0.3377

 1.8254, 0.7784,  
0.2216

 112.2144, 0.4751,  
0.3388

 0.5029, 0.8620,  
0.1380

 142.5225, 0.4628,  
0.3395

 0.0000, 1.0000,  
0.0000

 177.8487, 0.4523,

 0.0000, 0.0000,

0.3399

0.0000

218.5772, 0.4430,  
0.3401

■ 22.4896, 0.5800,  
0.3228

■ 22.4896, 0.5800,  
0.3228

■ 20.6705, 0.6148,  
0.3251

■ 25.5658, 0.5355,  
0.3216

■ 19.8433, 0.6349,  
0.3276

■ 30.0666, 0.4886,  
0.3215

■ 19.8034, 0.6358,  
0.3276


■ 36.1380, 0.4446,  
0.3222


■ 43.9071, 0.4063,  
0.3234

■ 53.4879, 0.3746,  
0.3248

 64.9845, 0.3489,  
0.3263

 78.4932, 0.3282,  
0.3277

 94.1038, 0.3117,  
0.3291

 98.5121, 0.3078,  
0.3290

# Harmonies

## Analogous

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



22.4896, 0.4875, 0.2477



22.4896, 0.5800, 0.3228



22.4896, 0.5648, 0.4063

# Triad

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



22.4896, 0.5800, 0.3228



22.4896, 0.2414, 0.5763



22.4896, 0.1334, 0.1393

# Complementary

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



22.4896, 0.5800, 0.3228



73.2755, 0.2326, 0.3425

# 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.



22.4896, 0.1016, 0.1652



22.4896, 0.5800, 0.3228



22.4896, 0.1468, 0.4045

# Square

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



22.4896, 0.5800, 0.3228



22.4896, 0.3606, 0.5952



22.4896, 0.1034, 0.2443



22.4896, 0.2070, 0.1472



# Rectangle

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



22.4896, 0.5800, 0.3228



22.4896, 0.5115, 0.4713



22.4896, 0.1034, 0.2443



22.4896, 0.1188, 0.1436

# Sweetspot

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



22.4910, 0.5800, 0.3228



63.7965, 0.3603, 0.3256



26.5653, 0.3073, 0.1574



12.7349, 0.3697, 0.3251



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.



22.4910, 0.5800, 0.3228



21.6176, 0.6283, 0.3267



37.6054, 0.5122, 0.4034



16.4976, 0.3285, 0.3277



10.4808, 0.6342, 0.3268



0.9264, 0.6198, 0.3188



# Inverse Universe

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



22.4910, 0.5800, 0.3228



21.6176, 0.6283, 0.3267



33.2869, 0.1978, 0.2118



16.4976, 0.3285, 0.3277



10.4808, 0.6342, 0.3268



0.9264, 0.6198, 0.3188



# Previews

## White Background



This preview shows how the Yxy color 22.4896, 0.5800, 0.3228 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 22.4896, 0.5800, 0.3228 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 22.4896, 0.5800, 0.3228**

## Background



This preview shows how black text looks on a background with the Yxy color 22.4896, 0.5800, 0.3228.



This preview shows how white text looks on a background with the Yxy color 22.4896, 0.5800, 0.3228.

# 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

22.4896, 0.5800, 0.3228

### Protanopia

22.6715, 0.3752, 0.4052

### Deuteranopia

22.4236, 0.4456, 0.4369



## Tritanopia

22.5774, 0.5883, 0.3298

# Trichromacy



## Original Color

22.4896, 0.5800, 0.3228

## Protanomaly

19.7561, 0.4585, 0.3631

## Deuteranomaly

20.2851, 0.5087, 0.3795

## Tritanomaly

22.5157, 0.5859, 0.3274

# Monochromacy



## Original Color

22.4896, 0.5800, 0.3228

## Achromatopsia

15.8961, 0.3127, 0.3290

## Achromatomaly

15.4087, 0.4200, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 22.4896, 0.5800, 0.3228 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(247, 51, 62)` looks like.

```
.text, #text, p{  
    color:rgb(247, 51, 62)  
}
```

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(247, 51, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 51, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 22.4896, 0.5800, 0.3228 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(247, 51, 62) }
```

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

```
.border{ border-color:rgb(247, 51, 62) }
```

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

Here you see how a box with a 4 pixel rgb(247, 51, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 51, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 51, 62);  
box-shadow:4px 4px 4px 4px rgb(247, 51,  
62) }
```



# Background

The CSS property to change the background color of an element to Yxy 22.4896, 0.5800, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 51, 62) }
```

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

```
.background{ background-color: rgb(247, 51,  
62) }
```

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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