

Converting Colors

$Y_{xy}(22.2396, 0.6123, 0.3236)$

Have a look what the booklet for
Yxy(22.2396, 0.6123, 0.3236)
contains.

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Color

Yxy(22.2183, 0.6129, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	FF1B2B
RGB	255, 27, 43
RGB Percent	100%, 11%, 17%
CMY	0.0000, 0.8940, 0.8316
CMYK	0.00, 0.89, 0.83, 0.00
HSL	356°, 100%, 55%
HSV	356°, 89%, 100%
XYZ	42.0686, 22.2183, 4.3517
YIQ	96.9960, 130.7520, 53.3120

Conversions

Conversions Part 2

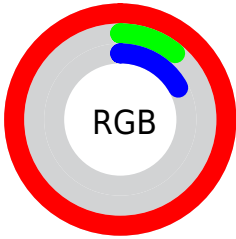
Format	Color
R_{YB}	255, 27, 43
Decimal	16718635
CIE _{Lab}	54.26, 78.21, 52.75
CIE _{LCh}	54, 94.338, 34.001
Yxy	22.2183, 0.6129, 0.3237
Android (android.graphics.Color)	4294908715 (0xFFFF1B2B)
YUV	96.9960, -26.6200, 138.5695
Hunter-Lab	47.1363, 76.8206, 27.5217

Details

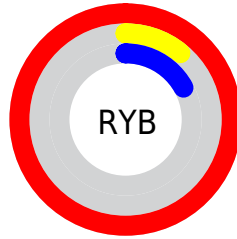
The Yxy color **22.2183, 0.6129, 0.3237** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **77.9897, 0.2314, 0.3484**, and the grayscale version is **11.9971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9160, 0.5141, 0.3413**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3409, 0.6338, 0.3269**, and if you desaturate by 10%, it is **24.1641, 0.5777, 0.3210**.

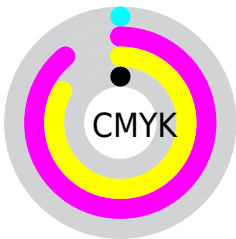
Distribution



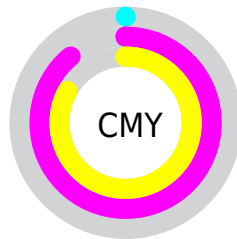
- Red (100%)
- Green (11%)
- Blue (17%)



- Red (100%)
- Yellow (11%)
- Blue (17%)



- Cyan (0%)
- Magenta (89%)
- Yellow (83%)
- Black (0%)





- Cyan (0%)
- Magenta (89%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2183, 0.6129, 0.3237 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 22.2183, 0.6129, 0.3237 by changing the saturation by 10% instead.


 22.2183, 0.6129,
0.3237

 22.2183, 0.6129,
0.3237


263.6842, 0.4540,
0.3463


 14.0174, 0.6495,
0.3102


 47.1065, 0.5561,
0.3377

 8.1328, 0.6945,
0.2898


 64.5627, 0.5342,
0.3412

 4.1800, 0.7437,
0.2563

 85.8726, 0.5155,
0.3434

 1.7748, 0.7955,
0.2045

 111.4209, 0.4996,
0.3448

 0.4714, 0.8798,
0.1202

 141.5917, 0.4858,
0.3456

 0.0000, 1.0000,
0.0000

 176.7696, 0.4738,

 0.0000, 0.0000,

0.3461

0.0000

217.3390, 0.4633,
0.3463

■ 22.2183, 0.6129,
0.3237

■ 22.2183, 0.6129,
0.3237

■ 21.3409, 0.6338,
0.3269

■ 24.1641, 0.5777,
0.3210


■ 21.3031, 0.6347,
0.3270

■ 27.4567, 0.5333,
0.3195

■ 32.2820, 0.4867,
0.3194

■ 38.7962, 0.4432,
0.3204

■ 47.1364, 0.4054,
0.3219

 57.4253, 0.3740,
0.3237

 69.7754, 0.3486,
0.3256

 84.2903, 0.3282,
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.



22.2183, 0.5270, 0.2462



22.2183, 0.6129, 0.3237



22.2183, 0.5759, 0.4127

Triad

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



22.2183, 0.6129, 0.3237



22.2183, 0.2130, 0.6003



22.2183, 0.1248, 0.1231

Complementary

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



22.2183, 0.6129, 0.3237



77.9897, 0.2314, 0.3484

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.



22.2183, 0.0879, 0.1437



22.2183, 0.6129, 0.3237



22.2183, 0.1203, 0.3865

Square

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



22.2183, 0.6129, 0.3237



22.2183, 0.3380, 0.6314



22.2183, 0.0842, 0.2170



22.2183, 0.2082, 0.1353

Rectangle

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



22.2183, 0.6129, 0.3237



22.2183, 0.5113, 0.4887



22.2183, 0.0842, 0.2170



22.2183, 0.1083, 0.1259

Sweetspot

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



22.2189, 0.6129, 0.3237



60.2008, 0.3674, 0.3241



25.8381, 0.3019, 0.1471



12.0490, 0.3769, 0.3235



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.



22.2189, 0.6129, 0.3237



21.3031, 0.6347, 0.3270



35.2615, 0.5441, 0.3964



18.0076, 0.3283, 0.3274



11.1388, 0.6329, 0.3260



1.0914, 0.6169, 0.3172

Inverse Universe

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



22.2189, 0.6129, 0.3237



21.3031, 0.6347, 0.3270



32.5982, 0.1907, 0.2001



18.0076, 0.3283, 0.3274



11.1388, 0.6329, 0.3260



1.0914, 0.6169, 0.3172

Previews

White Background



This preview shows how the Yxy color 22.2183, 0.6129, 0.3237 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 22.2183, 0.6129, 0.3237 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 22.2183, 0.6129, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 22.2183, 0.6129, 0.3237.



This preview shows how white text looks on a background with the Yxy color 22.2183, 0.6129, 0.3237.

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

22.2183, 0.6129, 0.3237

Protanopia

22.2998, 0.3993, 0.4344

Deuteranopia

22.4520, 0.4667, 0.4592



Tritanopia

22.2545, 0.6242, 0.3318

Trichromacy



Original Color

22.2183, 0.6129, 0.3237

Protanomaly

18.3245, 0.4987, 0.3738

Deuteranomaly

19.2251, 0.5460, 0.3881

Tritanomaly

22.2377, 0.6207, 0.3292

Monochromacy



Original Color

22.2183, 0.6129, 0.3237

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0406, 0.4532, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2183, 0.6129, 0.3237 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, 27, 43)` looks like.

```
.text, #text, p{  
  color:rgb(255, 27, 43)  
}
```

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, 27, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 43) }
```

Border

The CSS property to change the border of an element to Yxy 22.2183, 0.6129, 0.3237 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, 27, 43) }
```

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

```
.border{ border-color:rgb(255, 27, 43) }
```

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

Here you see how a box with a 4 pixel rgb(255, 27, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 27,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2183, 0.6129, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 43) }
```

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

```
.background{ background-color: rgb(255, 27,  
43) }
```

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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