

Converting Colors

$Y_{xy}(28.2379, 0.5639, 0.3417)$

Have a look what the booklet for
Yxy(28.2379, 0.5639, 0.3417)
contains.

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Color

Yxy(27.5150, 0.5610, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	FF5140
RGB	255, 81, 64
RGB Percent	100%, 32%, 25%
CMY	0.0000, 0.6823, 0.7490
CMYK	0.00, 0.68, 0.75, 0.00
HSL	5°, 100%, 63%
HSV	5°, 75%, 100%
XYZ	45.1079, 27.5150, 7.7833
YIQ	131.0880, 109.1610, 31.6010

Conversions

Conversions Part 2

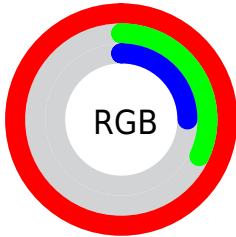
Format	Color
R_YB	255, 83, 64
Decimal	16732480
CIE Lab	59.45, 64.80, 47.08
CIE LCh	59, 80.098, 35.999
Yxy	27.5150, 0.5610, 0.3422
Android (android.graphics.Color)	4294922560 (0xFFFF5140)
YUV	131.0880, -33.0744, 108.6708
Hunter-Lab	52.4547, 61.7033, 27.9208

Details

The Yxy color **27.5150, 0.5610, 0.3422** is a dark color, and the websafe version is hex **FF3333**. The color can be described as middle washed red. A complement of this color would be **69.4502, 0.2250, 0.3080**, and the grayscale version is **22.8231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9175, 0.4645, 0.3556**, and **10.9908, 0.6296, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **24.4074, 0.6001, 0.3398**, and if you desaturate by 10%, it is **31.9386, 0.5156, 0.3428**.

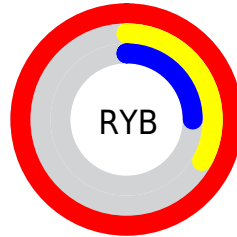
Distribution



Red (100%)

Green (32%)

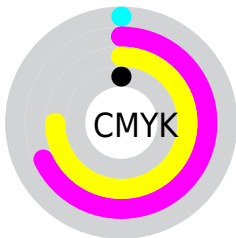
Blue (25%)



Red (100%)

Yellow (33%)

Blue (25%)

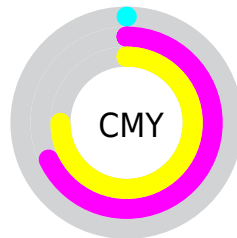


Cyan (0%)

Magenta (68%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (68%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5150, 0.5610, 0.3422 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 27.5150, 0.5610, 0.3422 by changing the saturation by 10% instead.


 27.5150, 0.5610,
0.3422


 27.5150, 0.5610,
0.3422


290.1421, 0.4303,
0.3487


 17.9604, 0.5925,
0.3352


 55.7092, 0.5136,
0.3484

 10.9215, 0.6308,
0.3232


 75.1175, 0.4956,
0.3495


 6.0141, 0.6823,
0.3046

 98.5792, 0.4803,
0.3500

 2.8537, 0.7330,
0.2670

 126.4787, 0.4673,
0.3501

 1.0558, 0.7928,
0.2072

 159.2003, 0.4561,
0.3500

 0.0000, 1.0000,
0.0000


 197.1285, 0.4464,


 0.0000, 0.0000,


0.3496


0.0000


240.6476, 0.4378,
0.3492


 27.5150, 0.5610,
0.3422


 27.5150, 0.5610,
0.3422


 24.4074, 0.6001,
0.3398


 31.9386, 0.5156,
0.3428

 22.4650, 0.6266,
0.3359

 37.7976, 0.4702,
0.3419


 21.8615, 0.6349,
0.3341

 45.2038, 0.4289,
0.3400

 54.2561, 0.3935,
0.3376

 65.0457, 0.3641,
0.3350

 77.6566, 0.3402,
0.3325

 92.1677, 0.3208,
0.3301

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



27.5150, 0.4922, 0.2684



27.5150, 0.5610, 0.3422



27.5150, 0.5370, 0.4243

Triad

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



27.5150, 0.5610, 0.3422



27.5150, 0.2327, 0.5261



27.5150, 0.1557, 0.1517

Complementary

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



27.5150, 0.5610, 0.3422



69.4502, 0.2250, 0.3080

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.



27.5150, 0.1184, 0.1711



27.5150, 0.5610, 0.3422



27.5150, 0.1503, 0.3674

Square

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



27.5150, 0.5610, 0.3422



27.5150, 0.3432, 0.5773



27.5150, 0.1151, 0.2359



27.5150, 0.2342, 0.1643

Rectangle

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



27.5150, 0.5610, 0.3422



27.5150, 0.4849, 0.4848



27.5150, 0.1151, 0.2359



27.5150, 0.1392, 0.1543

Sweetspot

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



27.5166, 0.5610, 0.3422



68.5159, 0.3567, 0.3343



31.1633, 0.3362, 0.1786



13.9705, 0.3636, 0.3350



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.



27.5166, 0.5610, 0.3422



23.2820, 0.6155, 0.3380



52.4519, 0.4721, 0.4300



18.2470, 0.3292, 0.3312



11.5108, 0.6334, 0.3352



1.2049, 0.6200, 0.3459

Inverse Universe

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



69.4502, 0.2250, 0.3080



66.5958, 0.2188, 0.3033



28.1298, 0.1920, 0.1796



20.1883, 0.2980, 0.3268



34.1272, 0.2169, 0.3008



3.4006, 0.2179, 0.3043

Previews

White Background



This preview shows how the Yxy color 27.5150, 0.5610, 0.3422 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 27.5150, 0.5610, 0.3422 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 27.5150, 0.5610, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 27.5150, 0.5610, 0.3422.



This preview shows how white text looks on a background with the Yxy color 27.5150, 0.5610, 0.3422.

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

27.5150, 0.5610, 0.3422

Protanopia

27.4531, 0.3889, 0.4215

Deuteranopia

27.4400, 0.4481, 0.4389



Tritanopia

27.4765, 0.5418, 0.3265

Trichromacy



Original Color

27.5150, 0.5610, 0.3422

Protanomaly

25.3062, 0.4575, 0.3853

Deuteranomaly

26.0417, 0.4970, 0.3959

Tritanomaly

27.5191, 0.5492, 0.3328

Monochromacy



Original Color

27.5150, 0.5610, 0.3422

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.1019, 0.4050, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5150, 0.5610, 0.3422 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, 81, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 64)  
}
```

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, 81, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 64) }
```

Border

The CSS property to change the border of an element to Yxy 27.5150, 0.5610, 0.3422 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, 81, 64) }
```

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

```
.border{ border-color:rgb(255, 81, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 81, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5150, 0.5610, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 64) }
```

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

```
.background{ background-color: rgb(255, 81,  
64) }
```

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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