

Converting Colors

$Yxy(28.0670, 0.5939, 0.3427)$

Have a look what the booklet for
Yxy(28.0670, 0.5939, 0.3427)
contains.

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Color

Yxy(25.5761, 0.5886, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	FF442C
RGB	255, 68, 44
RGB Percent	100%, 27%, 17%
CMY	0.0000, 0.7333, 0.8275
CMYK	0.00, 0.73, 0.83, 0.00
HSL	7°, 100%, 59%
HSV	7°, 83%, 100%
XYZ	43.7619, 25.5761, 5.0111
YIQ	121.1770, 119.1560, 32.1800

Conversions

Conversions Part 2

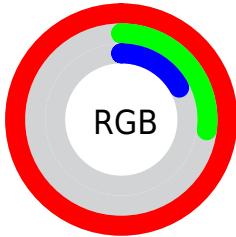
Format	Color
RYB	255, 71, 44
Decimal	16729132
CIELab	57.63, 68.71, 55.28
CIElCh	58, 88.186, 38.818
Yxy	25.5761, 0.5886, 0.3440
Android (android.graphics.Color)	4294919212 (0xFFFF442C)
YUV	121.1770, -38.0483, 117.3628
Hunter-Lab	50.5728, 65.9580, 29.5261

Details

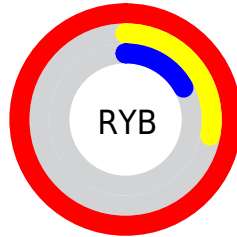
The Yxy color **25.5761, 0.5886, 0.3440** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **64.8895, 0.2194, 0.2988**, and the grayscale version is **19.2788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4887, 0.4929, 0.3628**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.2140, 0.6188, 0.3396**, and if you desaturate by 10%, it is **29.1111, 0.5477, 0.3464**.

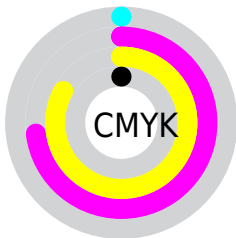
Distribution



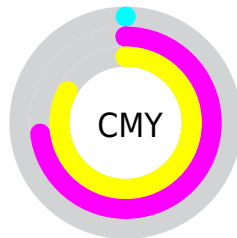
- Red (100%)
- Green (27%)
- Blue (17%)



- Red (100%)
- Yellow (28%)
- Blue (17%)



- Cyan (0%)
- Magenta (73%)
- Yellow (83%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5761, 0.5886, 0.3440 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 25.5761, 0.5886, 0.3440 by changing the saturation by 10% instead.


 25.5761, 0.5886,
0.3440


 25.5761, 0.5886,
0.3440


280.6949, 0.4451,
0.3543

 16.5068, 0.6213,
0.3343


 52.5903, 0.5377,
0.3530


 9.8835, 0.6602,
0.3182


 71.3040, 0.5180,
0.3548


 5.3218, 0.7075,
0.2925

 94.0012, 0.5011,
0.3556

 2.4373, 0.7527,
0.2473

 121.0664, 0.4867,
0.3559

 0.8450, 0.8171,
0.1829

 152.8840, 0.4742,
0.3558

 0.0000, 1.0000,
0.0000

 189.8384, 0.4632,

 0.0000, 0.0000,

0.3554

0.0000

232.3139, 0.4536,
0.3549

■ 25.5761, 0.5886,
0.3440

■ 25.5761, 0.5886,
0.3440

■ 23.2140, 0.6188,
0.3396

■ 29.1111, 0.5477,
0.3464

■ 22.1407, 0.6325,
0.3360

■ 33.9419, 0.5026,
0.3465

■ 40.1801, 0.4588,
0.3450

■ 47.9241, 0.4195,
0.3423

■ 57.2635, 0.3860,
0.3392

68.2809, 0.3582,
0.3360

81.0531, 0.3356,
0.3328

95.6522, 0.3172,
0.3298

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.



25.5761, 0.5255, 0.2670



25.5761, 0.5886, 0.3440



25.5761, 0.5473, 0.4321

Triad

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



25.5761, 0.5886, 0.3440



25.5761, 0.2096, 0.5423



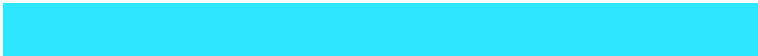
25.5761, 0.1476, 0.1370

Complementary

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



25.5761, 0.5886, 0.3440



64.8895, 0.2194, 0.2988

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.



25.5761, 0.1054, 0.1524



25.5761, 0.5886, 0.3440



25.5761, 0.1279, 0.3524

Square

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



25.5761, 0.5886, 0.3440



25.5761, 0.3263, 0.6096



25.5761, 0.0977, 0.2138



25.5761, 0.2358, 0.1533

Rectangle

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



25.5761, 0.5886, 0.3440



25.5761, 0.4841, 0.5006



25.5761, 0.0977, 0.2138



25.5761, 0.1292, 0.1383

Sweetspot

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



25.5775, 0.5886, 0.3440



65.6543, 0.3640, 0.3367



28.9947, 0.3426, 0.1743



13.2115, 0.3736, 0.3378



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.



25.5775, 0.5886, 0.3440



22.2613, 0.6309, 0.3364



50.4139, 0.4854, 0.4356



18.3200, 0.3292, 0.3318



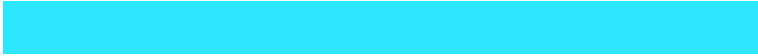
11.6742, 0.6308, 0.3373



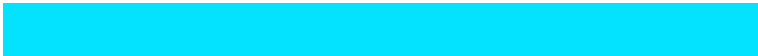
1.2392, 0.6148, 0.3500

Inverse Universe

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



64.8895, 0.2194, 0.2988



61.7655, 0.2147, 0.2924



23.2951, 0.1817, 0.1576



20.1073, 0.2980, 0.3262



32.3238, 0.2146, 0.2926



3.2434, 0.2159, 0.2972

Previews

White Background



This preview shows how the Yxy color 25.5761, 0.5886, 0.3440 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 25.5761, 0.5886, 0.3440 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 25.5761, 0.5886, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 25.5761, 0.5886, 0.3440.



This preview shows how white text looks on a background with the Yxy color 25.5761, 0.5886, 0.3440.

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

25.5761, 0.5886, 0.3440

Protanopia

25.6941, 0.4074, 0.4463

Deuteranopia

25.6784, 0.4645, 0.4573



Tritanopia

25.5738, 0.5680, 0.3284

Trichromacy



Original Color

25.5761, 0.5886, 0.3440

Protanomaly

23.1721, 0.4845, 0.3995

Deuteranomaly

23.8736, 0.5209, 0.4061

Tritanomaly

25.5901, 0.5765, 0.3350

Monochromacy



Original Color

25.5761, 0.5886, 0.3440

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.8391, 0.4244, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5761, 0.5886, 0.3440 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, 68, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 44)  
}
```

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, 68, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 44) }
```

Border

The CSS property to change the border of an element to Yxy 25.5761, 0.5886, 0.3440 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, 68, 44) }
```

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

```
.border{ border-color:rgb(255, 68, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 68, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5761, 0.5886, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 44) }
```

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

```
.background{ background-color: rgb(255, 68,  
44) }
```

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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