

Converting Colors

$Y_{xy}(28.1233, 0.5763, 0.3419)$

Have a look what the booklet for
Yxy(28.1233, 0.5763, 0.3419)
contains.

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Color

Yxy(26.5777, 0.5732, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	FF4B38
RGB	255, 75, 56
RGB Percent	100%, 29%, 22%
CMY	0.0001, 0.7058, 0.7803
CMYK	0.00, 0.71, 0.78, 0.00
HSL	6°, 100%, 61%
HSV	6°, 78%, 100%
XYZ	44.4668, 26.5777, 6.5319
YIQ	126.6540, 113.3790, 32.2510

Conversions

Conversions Part 2

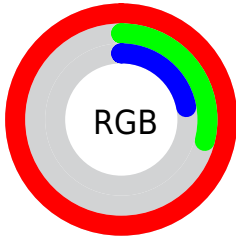
Format	Color
R_{YB}	255, 77, 56
Decimal	16730936
CIE Lab	58.58, 66.68, 50.30
CIE LCh	59, 83.523, 37.026
Yxy	26.5777, 0.5732, 0.3426
Android (android.graphics.Color)	4294921016 (0xFFFF4B38)
YUV	126.6540, -34.8324, 112.5594
Hunter-Lab	51.5536, 63.7440, 28.5753

Details

The Yxy color **26.5777, 0.5732, 0.3426** 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 **68.0459, 0.2229, 0.3054**, and the grayscale version is **21.1967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3301, 0.4763, 0.3581**, and **10.9647, 0.6358, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **23.8067, 0.6090, 0.3395**, and if you desaturate by 10%, it is **30.6122, 0.5291, 0.3438**.

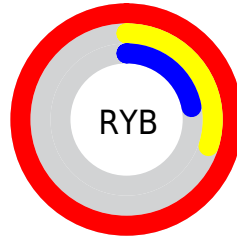
Distribution



Red (100%)

Green (29%)

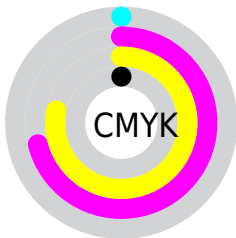
Blue (22%)



Red (100%)

Yellow (30%)

Blue (22%)

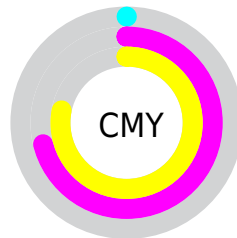


Cyan (0%)

Magenta (71%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (71%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5777, 0.5732, 0.3426 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 26.5777, 0.5732, 0.3426 by changing the saturation by 10% instead.

 26.5777, 0.5732,
0.3426


 26.5777, 0.5732,
0.3426


285.6066, 0.4365,
0.3508


 17.2563, 0.6055,
0.3345


 54.2055, 0.5240,
0.3500


 10.4174, 0.6442,
0.3206


 73.2806, 0.5052,
0.3514


 5.6766, 0.6991,
0.3009

 96.3759, 0.4892,
0.3520

 2.6494, 0.7424,
0.2576

 123.8755, 0.4756,
0.3522

 0.9516, 0.8044,
0.1956

 156.1640, 0.4638,
0.3520

 0.0000, 1.0000,
0.0000

 193.6258, 0.4535,

 0.0000, 0.0000,

0.3517


0.0000

236.6452, 0.4445,
0.3513


 26.5777, 0.5732,
0.3426


 26.5777, 0.5732,
0.3426


 23.8067, 0.6090,
0.3395


 30.6122, 0.5291,
0.3438


 22.1422, 0.6312,
0.3352

 36.0325, 0.4834,
0.3432

 21.9249, 0.6343,
0.3346

 42.9514, 0.4408,
0.3415

 51.4690, 0.4037,
0.3390

 61.6766, 0.3726,
0.3363

 73.6587, 0.3471,
0.3336

 87.4941, 0.3264,
0.3310

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



26.5777, 0.5056, 0.2673



26.5777, 0.5732, 0.3426



26.5777, 0.5426, 0.4272

Triad

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



26.5777, 0.5732, 0.3426



26.5777, 0.2236, 0.5343



26.5777, 0.1516, 0.1452

Complementary

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



26.5777, 0.5732, 0.3426



68.0459, 0.2229, 0.3054

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.



26.5777, 0.1125, 0.1631



26.5777, 0.5732, 0.3426



26.5777, 0.1409, 0.3626

Square

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



26.5777, 0.5732, 0.3426



26.5777, 0.3372, 0.5910



26.5777, 0.1074, 0.2270



26.5777, 0.2340, 0.1592

Rectangle

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



26.5777, 0.5732, 0.3426



26.5777, 0.4858, 0.4910



26.5777, 0.1074, 0.2270



26.5777, 0.1344, 0.1472

Sweetspot

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



26.5793, 0.5732, 0.3426



67.4790, 0.3591, 0.3349



30.2859, 0.3372, 0.1757



13.5418, 0.3686, 0.3359



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.



26.5793, 0.5732, 0.3426



22.6935, 0.6240, 0.3370



51.0821, 0.4790, 0.4314



18.2658, 0.3292, 0.3313



11.5499, 0.6328, 0.3357



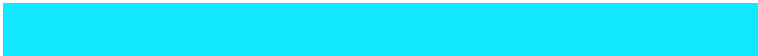
1.2138, 0.6187, 0.3470

Inverse Universe

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



68.0459, 0.2229, 0.3054



65.1014, 0.2173, 0.3001



26.5059, 0.1882, 0.1726



20.1674, 0.2980, 0.3267



33.6558, 0.2163, 0.2987



3.3596, 0.2174, 0.3024

Previews

White Background



This preview shows how the Yxy color 26.5777, 0.5732, 0.3426 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 26.5777, 0.5732, 0.3426 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 26.5777, 0.5732, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 26.5777, 0.5732, 0.3426.



This preview shows how white text looks on a background with the Yxy color 26.5777, 0.5732, 0.3426.

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

26.5777, 0.5732, 0.3426

Protanopia

26.6395, 0.3967, 0.4306

Deuteranopia

26.5645, 0.4548, 0.4462



Tritanopia

26.5469, 0.5542, 0.3275

Trichromacy



Original Color

26.5777, 0.5732, 0.3426

Protanomaly

24.3587, 0.4681, 0.3908

Deuteranomaly

24.9946, 0.5060, 0.4003

Tritanomaly

26.5872, 0.5613, 0.3334

Monochromacy



Original Color

26.5777, 0.5732, 0.3426

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6634, 0.4139, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5777, 0.5732, 0.3426 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, 75, 56)` looks like.

```
.text, #text, p{  
  color:rgb(255, 75, 56)  
}
```

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, 75, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 75, 56) }
```

Border

The CSS property to change the border of an element to Yxy 26.5777, 0.5732, 0.3426 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, 75, 56) }
```

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

```
.border{ border-color:rgb(255, 75, 56) }
```

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

Here you see how a box with a 4 pixel rgb(255, 75, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 75, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 75, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 75,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5777, 0.5732, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 75, 56) }
```

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

```
.background{ background-color: rgb(255, 75,  
56) }
```

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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