

Converting Colors

$Y_{xy}(27.7218, 0.5664, 0.3486)$

Have a look what the booklet for
Yxy(27.7218, 0.5664, 0.3486)
contains.

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Color

Yxy(27.7320, 0.5666, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	FF5338
RGB	255, 83, 56
RGB Percent	100%, 33%, 22%
CMY	0.0000, 0.6745, 0.7802
CMYK	0.00, 0.67, 0.78, 0.00
HSL	8°, 100%, 61%
HSV	8°, 78%, 100%
XYZ	45.0486, 27.7320, 6.7263
YIQ	131.3500, 111.1790, 28.0670

Conversions

Conversions Part 2

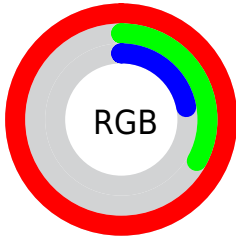
Format	Color
R_{YB}	255, 87, 56
Decimal	16732984
CIE _{Lab}	59.65, 63.78, 51.36
CIE _{LCh}	60, 81.888, 38.845
Yxy	27.7320, 0.5666, 0.3488
Android (android.graphics.Color)	4294923064 (0xFFFF5338)
YUV	131.3500, -37.1475, 108.4411
Hunter-Lab	52.6612, 60.5394, 29.2899

Details

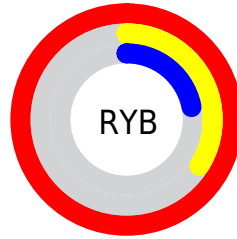
The Yxy color **27.7320, 0.5666, 0.3488** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **63.5741, 0.2202, 0.2952**, and the grayscale version is **22.9373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3297, 0.4711, 0.3652**, and **11.0493, 0.6349, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **24.6898, 0.6027, 0.3449**, and if you desaturate by 10%, it is **31.9759, 0.5234, 0.3501**.

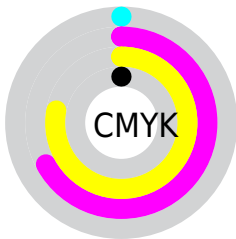
Distribution



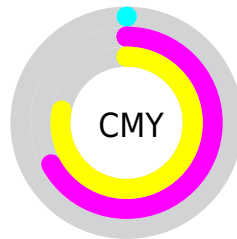
- Red (100%)
- Green (33%)
- Blue (22%)



- Red (100%)
- Yellow (34%)
- Blue (22%)



- Cyan (0%)
- Magenta (67%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7320, 0.5666, 0.3488 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 27.7320, 0.5666, 0.3488 by changing the saturation by 10% instead.


 27.7320, 0.5666,
0.3488


 27.7320, 0.5666,
0.3488


291.1841, 0.4342,
0.3534


 18.1237, 0.5976,
0.3417


 56.0563, 0.5191,
0.3548


 11.0389, 0.6348,
0.3292


 75.5411, 0.5009,
0.3557


 6.0930, 0.6882,
0.3118

 99.0869, 0.4855,
0.3559

 2.9017, 0.7292,
0.2708

 127.0780, 0.4722,
0.3558

 1.0806, 0.7885,
0.2115

 159.8989, 0.4608,
0.3553

 0.0000, 1.0000,
0.0000


 197.9339, 0.4508,


 0.0000, 0.0000,


0.3548


0.0000


241.5675, 0.4420,
0.3541


 27.7320, 0.5666,
0.3488

 27.7320, 0.5666,
0.3488


 24.6898, 0.6027,
0.3449


 31.9759, 0.5234,
0.3501


 22.7165, 0.6265,
0.3389

 37.5261, 0.4792,
0.3492

 22.4357, 0.6300,
0.3379

 44.4806, 0.4380,
0.3466

 52.9266, 0.4020,
0.3431

 62.9442, 0.3717,
0.3393

 74.6078, 0.3468,
0.3354

 87.9870, 0.3263,
0.3318

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.



27.7320, 0.5062, 0.2739



27.7320, 0.5666, 0.3488



27.7320, 0.5337, 0.4328

Triad

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



27.7320, 0.5666, 0.3488



27.7320, 0.2211, 0.5180



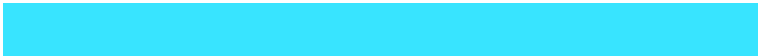
27.7320, 0.1590, 0.1493

Complementary

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



27.7320, 0.5666, 0.3488



63.5741, 0.2202, 0.2952

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.



27.7320, 0.1180, 0.1652



27.7320, 0.5666, 0.3488



27.7320, 0.1423, 0.3522

Square

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



27.7320, 0.5666, 0.3488



27.7320, 0.3317, 0.5836



27.7320, 0.1113, 0.2251



27.7320, 0.2429, 0.1648

Rectangle

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



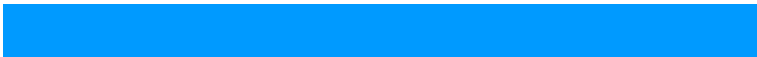
27.7320, 0.5666, 0.3488



27.7320, 0.4774, 0.4948



27.7320, 0.1113, 0.2251



27.7320, 0.1412, 0.1508

Sweetspot

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



27.7334, 0.5666, 0.3488



68.5881, 0.3586, 0.3373



29.7211, 0.3481, 0.1824



13.8021, 0.3679, 0.3387



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.



27.7334, 0.5666, 0.3488



23.3909, 0.6185, 0.3414



55.0233, 0.4696, 0.4402



18.3837, 0.3291, 0.3323



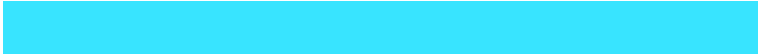
11.8437, 0.6281, 0.3394



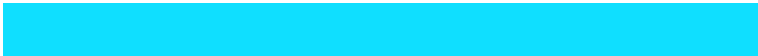
1.2691, 0.6105, 0.3535

Inverse Universe

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



63.5741, 0.2202, 0.2952



59.8457, 0.2138, 0.2875



23.7625, 0.1847, 0.1594



20.0369, 0.2980, 0.3257



30.8052, 0.2126, 0.2854



3.1104, 0.2141, 0.2909

Previews

White Background



This preview shows how the Yxy color 27.7320, 0.5666, 0.3488 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 27.7320, 0.5666, 0.3488 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 27.7320, 0.5666, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 27.7320, 0.5666, 0.3488.



This preview shows how white text looks on a background with the Yxy color 27.7320, 0.5666, 0.3488.

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

27.7320, 0.5666, 0.3488

Protanopia

27.8119, 0.3997, 0.4358

Deuteranopia

27.8895, 0.4550, 0.4463



Tritanopia

27.8007, 0.5380, 0.3264

Trichromacy



Original Color

27.7320, 0.5666, 0.3488

Protanomaly

25.7936, 0.4670, 0.3986

Deuteranomaly

26.3459, 0.5032, 0.4028

Tritanomaly

27.7890, 0.5499, 0.3359

Monochromacy



Original Color

27.7320, 0.5666, 0.3488

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2642, 0.4084, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7320, 0.5666, 0.3488 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, 83, 56)` looks like.

```
.text, #text, p{  
  color:rgb(255, 83, 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, 83, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 56) }
```

Border

The CSS property to change the border of an element to Yxy 27.7320, 0.5666, 0.3488 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, 83, 56) }
```

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

```
.border{ border-color:rgb(255, 83, 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, 83, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7320, 0.5666, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 56) }
```

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

```
.background{ background-color: rgb(255, 83,  
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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