

Converting Colors

$Y_{xy}(27.9164, 0.5694, 0.3529)$

Have a look what the booklet for
Yxy(27.9164, 0.5694, 0.3529)
contains.

Yxy(27.9960, 0.5690, 0.3533)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.9960, 0.5690, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	FF5533
RGB	255, 85, 51
RGB Percent	100%, 33%, 20%
CMY	0.0000, 0.6667, 0.8001
CMYK	0.00, 0.67, 0.80, 0.00
HSL	10°, 100%, 60%
HSV	10°, 80%, 100%
XYZ	45.0884, 27.9960, 6.1571
YIQ	131.9540, 112.2340, 25.4660

Conversions

Conversions Part 2

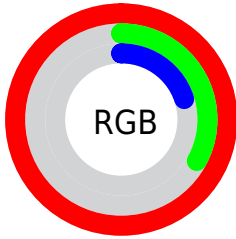
Format	Color
R_{YB}	255, 92, 51
Decimal	16733491
CIE _{Lab}	59.89, 62.86, 54.07
CIE _{LCh}	60, 82.917, 40.701
Yxy	27.9960, 0.5690, 0.3533
Android (android.graphics.Color)	4294923571 (0xFFFF5533)
YUV	131.9540, -39.9103, 107.9113
Hunter-Lab	52.9112, 59.5143, 30.1385

Details

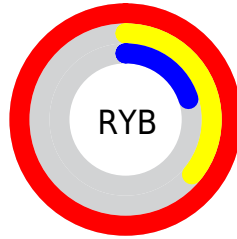
The Yxy color **27.9960, 0.5690, 0.3533** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **59.6263, 0.2170, 0.2858**, and the grayscale version is **23.1721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5261, 0.4751, 0.3707**, and **11.2101, 0.6356, 0.3335** is the 20% darker color. If you saturate the color by 10%, you get **24.9712, 0.6031, 0.3483**, and if you desaturate by 10%, it is **32.1479, 0.5275, 0.3552**.

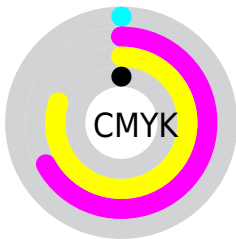
Distribution



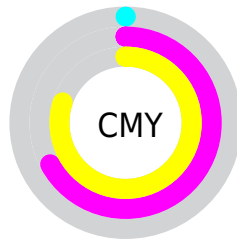
- Red (100%)
- Green (33%)
- Blue (20%)



- Red (100%)
- Yellow (36%)
- Blue (20%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9960, 0.5690, 0.3533 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 27.9960, 0.5690, 0.3533 by changing the saturation by 10% instead.


 27.9960, 0.5690,
0.3533


 27.9960, 0.5690,
0.3533


292.4478, 0.4364,
0.3566


 18.3226, 0.5995,
0.3462


 56.4781, 0.5218,
0.3590

 11.1819, 0.6357,
0.3336


 76.0555, 0.5036,
0.3598


 6.1893, 0.6851,
0.3149


 99.7032, 0.4881,
0.3599


 2.9605, 0.7256,
0.2744

 127.8054, 0.4748,
0.3595

 1.1112, 0.7841,
0.2159

 160.7466, 0.4632,
0.3589

 0.0000, 1.0000,
0.0000

 198.9111, 0.4531,

 0.0000, 0.0000,

0.3582

0.0000

242.6834, 0.4442,
0.3574

■ 27.9960, 0.5690,
0.3533

■ 27.9960, 0.5690,
0.3533

■ 24.9712, 0.6031,
0.3483

■ 32.1479, 0.5275,
0.3552


■ 22.9530, 0.6258,
0.3413

■ 37.5263, 0.4842,
0.3543

■ 44.2191, 0.4434,
0.3513

■ 52.3060, 0.4073,
0.3472

■ 61.8604, 0.3766,
0.3425

 72.9505, 0.3510,
0.3378

 85.6400, 0.3300,
0.3333

99.9891, 0.3127,
0.3290

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.



27.9960, 0.5145, 0.2778



27.9960, 0.5690, 0.3533



27.9960, 0.5305, 0.4385

Triad

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



27.9960, 0.5690, 0.3533



27.9960, 0.2139, 0.5111



27.9960, 0.1618, 0.1483

Complementary

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



27.9960, 0.5690, 0.3533



59.6263, 0.2170, 0.2858

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.



27.9960, 0.1184, 0.1619



27.9960, 0.5690, 0.3533



27.9960, 0.1377, 0.3422

Square

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



27.9960, 0.5690, 0.3533



27.9960, 0.3241, 0.5864



27.9960, 0.1095, 0.2186



27.9960, 0.2491, 0.1656

Rectangle

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



27.9960, 0.5690, 0.3533



27.9960, 0.4720, 0.5012



27.9960, 0.1095, 0.2186



27.9960, 0.1430, 0.1491

Sweetspot

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



27.9959, 0.5690, 0.3533



68.3340, 0.3606, 0.3397



28.8464, 0.3570, 0.1857



13.7899, 0.3699, 0.3414



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.



27.9959, 0.5690, 0.3533



23.6517, 0.6179, 0.3440



57.0369, 0.4670, 0.4469



18.4763, 0.3290, 0.3330



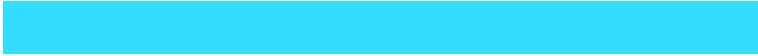
12.1359, 0.6236, 0.3430



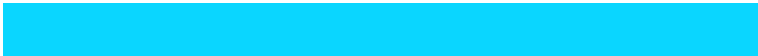
1.3126, 0.6043, 0.3583

Inverse Universe

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



59.6263, 0.2170, 0.2858



55.4707, 0.2105, 0.2762



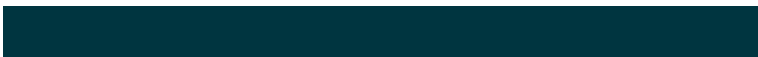
21.1141, 0.1801, 0.1462



19.9354, 0.2980, 0.3249



28.6930, 0.2097, 0.2748



2.9245, 0.2116, 0.2817

Previews

White Background



This preview shows how the Yxy color 27.9960, 0.5690, 0.3533 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 27.9960, 0.5690, 0.3533 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 27.9960, 0.5690, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 27.9960, 0.5690, 0.3533.



This preview shows how white text looks on a background with the Yxy color 27.9960, 0.5690, 0.3533.

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

27.9960, 0.5690, 0.3533

Protanopia

28.1417, 0.4051, 0.4442

Deuteranopia

27.9638, 0.4600, 0.4504



Tritanopia

27.9665, 0.5361, 0.3264

Trichromacy



Original Color

27.9960, 0.5690, 0.3533

Protanomaly

26.1158, 0.4717, 0.4045

Deuteranomaly

26.6723, 0.5077, 0.4082

Tritanomaly

27.9276, 0.5502, 0.3375

Monochromacy



Original Color

27.9960, 0.5690, 0.3533

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.5879, 0.4104, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9960, 0.5690, 0.3533 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, 85, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 51)  
}
```

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, 85, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 51) }
```

Border

The CSS property to change the border of an element to Yxy 27.9960, 0.5690, 0.3533 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, 85, 51) }
```

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

```
.border{ border-color:rgb(255, 85, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 85, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9960, 0.5690, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 51) }
```

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

```
.background{ background-color: rgb(255, 85,  
51) }
```

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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