

Converting Colors

XYZ(44.3733, 27.5266, 2.9744)

Have a look what the booklet for
XYZ(44.3733, 27.5266, 2.9744)
contains.

XYZ(44.4103, 27.6006, 2.9868)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.4103, 27.6006,
2.9868)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5400
RGB	255, 84, 0
RGB Percent	100%, 33%, 0%
CMY	0.0000, 0.6705, 1.0000
CMYK	0.00, 0.67, 1.00, 0.00
HSL	20°, 100%, 50%
HSV	20°, 100%, 100%
XYZ	44.4103, 27.6006, 2.9868
YIQ	125.5530, 128.8800, 10.1280

Conversions

Conversions Part 2

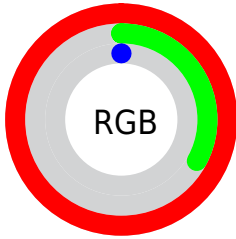
Format	Color
R_{YB}	255, 125, 0
Decimal	16733184
CIE _{Lab}	59.53, 62.44, 69.90
CIE _{LCh}	60, 93.730, 48.224
Yxy	27.6006, 0.5922, 0.3680
Android (android.graphics.Color)	4294923264 (0xFFFF5400)
YUV	125.5530, -61.8976, 113.5250
Hunter-Lab	52.5363, 58.9523, 33.4046

Details

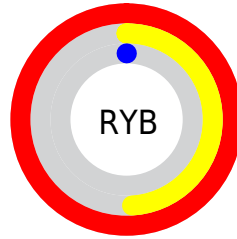
The XYZ color **44.4103, 27.6006, 2.9868** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **32.6116, 36.3434, 99.9031**, and the grayscale version is **19.8537, 20.8877, 22.7467**.

A 20% lighter version of the original color is **51.7482, 40.7031, 10.2833**, and **21.1059, 11.0582, 1.0220** is the 20% darker color. If you saturate the color by 10%, you get **44.4105, 27.6016, 2.9869**, and if you desaturate by 10%, it is **46.0850, 30.6610, 4.4378**.

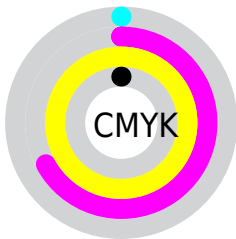
Distribution



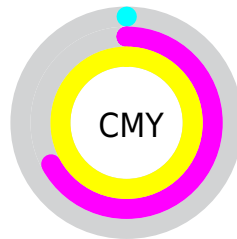
- Red (100%)
- Green (33%)
- Blue (0%)



- Red (100%)
- Yellow (49%)
- Blue (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4103, 27.6006, 2.9868 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 XYZ color 44.4103, 27.6006, 2.9868 by changing the saturation by 10% instead.


 44.4103, 27.6006,
2.9868


 44.4103, 27.6006,
2.9868


355.2040,
290.5535, 136.1923


 31.1925, 18.0248,
1.0879


 81.0773, 55.8461,
11.5958


 20.8980, 10.9678,
0.0000


 105.2572, 75.2847,
19.1431


 13.1615, 6.0452,
0.0000


 133.8219, 98.7796,
29.4102

 7.6176, 2.8726,
0.0000

 167.1367,
126.7153, 42.8156

 3.9010, 1.0656,
0.0000

 205.5669,
159.4761, 59.7781


 1.6463, 0.0000,
0.0000

 249.4780,


 0.4223, 0.0000,


197.4465, 80.7159


0.0000


 299.2352,
241.0108, 106.0479


 0.0000, 0.0000,
0.0000


 44.4103, 27.6006,
2.9868


 44.4103, 27.6006,
2.9868


 44.4105, 27.6016,
2.9869

 46.0850, 30.6610,
4.4378

 48.3405, 34.5052,
7.2450

 51.2689, 39.2029,
11.7948

 54.9328, 44.8084,
18.3254

 59.3860, 51.3704,
27.0373

64.6768, 58.9337,
38.1058

70.8493, 67.5404,
51.6884

77.9443, 77.2295,
67.9287

85.9997, 88.0383,
86.9594

Harmonies

Analogous

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



54.1787, 27.6006, 13.9831



44.4103, 27.6006, 2.9868



31.1349, 27.6006, 0.7603

Triad

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



44.4103, 27.6006, 2.9868



9.7160, 27.6006, 18.6588



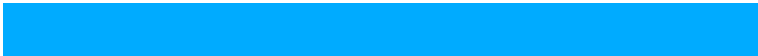
33.9772, 27.6006, 143.4378

Complementary

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



44.4103, 27.6006, 2.9868



32.6116, 36.3434, 99.9031

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.



21.8756, 27.6006, 148.8608



44.4103, 27.6006, 2.9868



10.0602, 27.6006, 55.2587

Square

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



44.4103, 27.6006, 2.9868



12.7039, 27.6006, 4.2369



13.8481, 27.6006, 109.0747



47.0199, 27.6006, 97.3323

Rectangle

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



44.4103, 27.6006, 2.9868



23.1238, 27.6006, 0.6897



13.8481, 27.6006, 109.0747



29.6103, 27.6006, 150.8993

Sweetspot

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



44.4109, 27.6022, 2.9872



70.8484, 67.5388, 51.6854



48.9042, 24.3258, 42.2907



14.5839, 13.6516, 9.7694



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.4109, 27.6022, 2.9872



44.4109, 27.6018, 2.9870



63.8566, 66.4937, 9.4691



18.4981, 18.9644, 18.8299



23.3266, 14.6645, 1.6011



2.3663, 1.6180, 0.1876

Inverse Universe

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



32.6116, 36.3434, 99.9031



32.6115, 36.3429, 99.9038



19.0567, 9.2334, 95.3848



18.0210, 19.4137, 23.0474



17.1826, 19.2747, 52.2494



1.7731, 2.0768, 5.1207

Previews

White Background



This preview shows how the XYZ color 44.4103, 27.6006, 2.9868 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 XYZ color 44.4103, 27.6006, 2.9868 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](#).

XYZ 44.4103, 27.6006, 2.9868

Background



This preview shows how black text looks on a background with the XYZ color 44.4103, 27.6006, 2.9868.



This preview shows how white text looks on a background with the XYZ color 44.4103, 27.6006,

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

44.4103, 27.6006, 2.9868

Protanopia

25.0714, 27.7070, 5.0635

Deuteranopia

27.8602, 27.4321, 3.8265



Tritanopia

45.7089, 27.6374, 11.3129

Trichromacy



Original Color

44.4103, 27.6006, 2.9868

Protanomaly

29.8257, 25.6953, 3.9180

Deuteranomaly

32.3737, 26.1325, 3.3378

Tritanomaly

44.8250, 27.4019, 6.2947

Monochromacy



Original Color

44.4103, 27.6006, 2.9868

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

24.3660, 20.8323, 10.3262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4103, 27.6006, 2.9868 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, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 0)  
}
```

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, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.4103, 27.6006, 2.9868 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, 84, 0) }
```


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

```
.border{ border-color:rgb(255, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 44.4103, 27.6006, 2.9868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 0) }
```

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

```
.background{ background-color: rgb(255, 84,  
0) }
```

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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