

# Converting Colors

XYZ(44.4472, 27.0277, 4.8048)

Have a look what the booklet for  
XYZ(44.4472, 27.0277, 4.8048)  
contains.

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# Color

**XYZ(44.4022, 26.9984,  
4.7904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4F27
RGB	255, 79, 39
RGB Percent	100%, 31%, 15%
CMY	0.0000, 0.6902, 0.8471
CMYK	0.00, 0.69, 0.85, 0.00
HSL	11°, 100%, 58%
HSV	11°, 85%, 100%
XYZ	44.4022, 26.9984, 4.7904
YIQ	127.0640, 117.7360, 24.8720

# Conversions

## Conversions Part 2

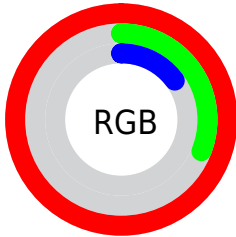
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 88, 39
Decimal	16731943
CIE <sub>Lab</sub>	58.97, 64.81, 58.66
CIE <sub>LCh</sub>	59, 87.411, 42.150
Yxy	26.9984, 0.5828, 0.3544
Android (android.graphics.Color)	4294922023 (0xFFFF4F27)
YUV	127.0640, -43.4156, 112.1999
Hunter-Lab	51.9600, 61.6065, 30.9058

# Details

The XYZ color **44.4022, 26.9984, 4.7904** 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 **43.1842, 56.2465, 103.1877**, and the grayscale version is **20.3125, 21.3703, 23.2723**.

A 20% lighter version of the original color is **51.9888, 39.8726, 14.4073**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.8406, 24.3401, 2.8381**, and if you desaturate by 10%, it is **46.7164, 30.7095, 8.3909**.

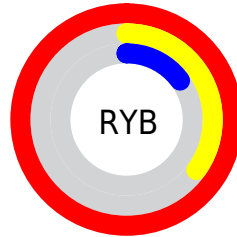
# Distribution



Red (100%)

Green (31%)

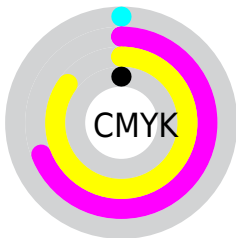
Blue (15%)



Red (100%)

Yellow (35%)

Blue (15%)

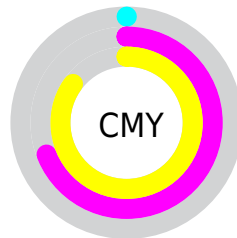


Cyan (0%)

Magenta (69%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (69%)


Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4022, 26.9984, 4.7904 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 44.4022, 26.9984, 4.7904 by changing the saturation by 10% instead.





 44.4022, 26.9984,  
4.7904


 44.4022, 26.9984,  
4.7904

355.1716,  
287.6494, 156.6427


 31.1861, 17.5720,  
2.0682


 81.0652, 54.8813,  
15.7951


 20.8931, 10.6432,  
0.5968


 105.2428, 74.1066,  
24.9148

 13.1579, 5.8274,  
0.0000


 133.8050, 97.3670,  
37.0040

 7.6151, 2.7404,  
0.0000

 167.1171,  
125.0469, 52.4814

 3.8994, 0.9978,  
0.0000

 205.5444,  
157.5307, 71.7653

 1.6454, 0.0000,  
0.0000

 249.4524,

 0.4217, 0.0000,

195.2028, 95.2745

0.0000

299.2063,  
238.4475, 123.4275

■ 0.0000, 0.0000,  
0.0000

■ 44.4022, 26.9984,  
4.7904

■ 44.4022, 26.9984,  
4.7904

■ 42.8406, 24.3401,  
2.8381

■ 46.7164, 30.7095,  
8.3909

■ 42.2657, 23.3117,  
2.2720

■ 49.8698, 35.5672,  
13.9099

■ 53.9384, 41.6597,  
21.5695

■ 58.9886, 49.0651,  
31.5612

■ 65.0803, 57.8547,  
44.0548

72.2689, 68.0949,  
59.2044

80.6053, 79.8475,  
77.1515

90.1375, 93.1710,  
98.0277

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



51.8753, 26.9984, 18.5468



44.4022, 26.9984, 4.7904



32.5879, 26.9984, 1.3300

# Triad

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



44.4022, 26.9984, 4.7904



10.5057, 26.9984, 14.6438



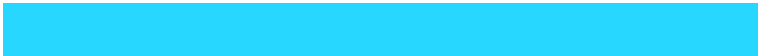
30.2980, 26.9984, 134.7303

# Complementary

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



44.4022, 26.9984, 4.7904



43.1842, 56.2465, 103.1877

# 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.



19.7928, 26.9984, 130.5391



44.4022, 26.9984, 4.7904



10.2129, 26.9984, 43.8192

# Square

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



44.4022, 26.9984, 4.7904



14.0704, 26.9984, 3.6450



13.1120, 26.9984, 90.3244



42.3249, 26.9984, 99.4810



# Rectangle

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



44.4022, 26.9984, 4.7904



24.8880, 26.9984, 1.0022



13.1120, 26.9984, 90.3244



26.4502, 26.9984, 138.3318

# Sweetspot

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



44.4028, 27.0000, 4.7908



72.0413, 67.7722, 58.7189



54.2825, 27.6379, 67.0332



14.8543, 13.7030, 11.3684



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.



44.4028, 27.0000, 4.7908



42.2659, 23.3119, 2.2720



59.2915, 56.7775, 9.7537



18.2815, 18.5312, 18.7577



22.1624, 12.3361, 1.2130

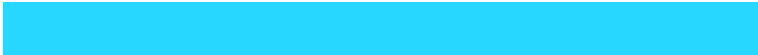


2.2273, 1.3400, 0.1412

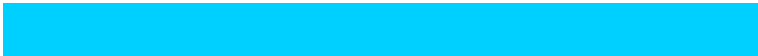


# Inverse Universe

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



43.1842, 56.2465, 103.1877



40.5486, 52.2173, 102.5495



24.1862, 18.2505, 96.8551



18.2520, 19.8756, 23.1243



21.2904, 27.4904, 53.6186



2.1437, 2.8181, 5.2442



# Previews

## White Background



This preview shows how the XYZ color 44.4022, 26.9984, 4.7904 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 44.4022, 26.9984, 4.7904 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 44.4022, 26.9984, 4.7904**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4022, 26.9984, 4.7904.



This preview shows how white text looks on a background with the XYZ color 44.4022, 26.9984,

4.7904.

# 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

44.4022, 26.9984, 4.7904

### Protanopia

24.6607, 26.9928, 7.5248

### Deuteranopia

27.5468, 27.0554, 4.0870



## Tritanopia

45.2357, 26.9934, 10.2232

# Trichromacy



## Original Color

44.4022, 26.9984, 4.7904

## Protanomaly

29.3993, 24.8847, 6.1595

## Deuteranomaly

31.9982, 25.5810, 3.9606

## Tritanomaly

44.8193, 26.9379, 7.6878

# Monochromacy



## Original Color

44.4022, 26.9984, 4.7904

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

25.0970, 20.9768, 13.5526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4022, 26.9984, 4.7904 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, 79, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 39)  
}
```

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, 79, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4022, 26.9984, 4.7904 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, 79, 39) }
```



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

```
.border{ border-color:rgb(255, 79, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 79, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4022, 26.9984, 4.7904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 39) }
```

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

```
.background{ background-color: rgb(255, 79,  
39) }
```

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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