

Converting Colors

XYZ(44.8048, 26.9210, 7.6485)

Have a look what the booklet for
XYZ(44.8048, 26.9210, 7.6485)
contains.

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Color

**XYZ(44.8193, 26.9379,
7.6878)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4D40
RGB	255, 77, 64
RGB Percent	100%, 30%, 25%
CMY	0.0000, 0.6980, 0.7490
CMYK	0.00, 0.70, 0.75, 0.00
HSL	4°, 100%, 63%
HSV	4°, 75%, 100%
XYZ	44.8193, 26.9379, 7.6878
YIQ	128.7400, 110.2610, 33.6930

Conversions

Conversions Part 2

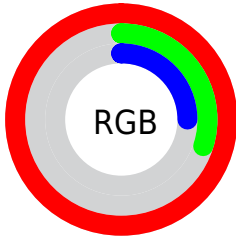
Format	Color
RYB	255, 78, 64
Decimal	16731456
CIELab	58.92, 66.26, 46.50
CIELCh	59, 80.949, 35.063
Yxy	26.9379, 0.5642, 0.3391
Android (android.graphics.Color)	4294921536 (0xFFFF4D40)
YUV	128.7400, -31.9168, 110.7300
Hunter-Lab	51.9017, 63.3141, 27.5490

Details

The XYZ color **44.8193, 26.9379, 7.6878** 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 **51.9129, 71.8072, 105.7312**, and the grayscale version is **20.8579, 21.9442, 23.8972**.

A 20% lighter version of the original color is **53.0248, 40.0606, 20.5605**, and **21.3444, 10.9908, 1.5687** is the 20% darker color. If you saturate the color by 10%, you get **42.8822, 23.9721, 4.2433**, and if you desaturate by 10%, it is **47.6959, 31.2533, 13.0805**.

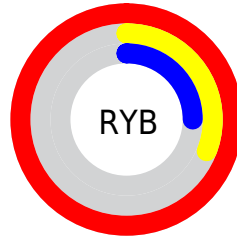
Distribution



Red (100%)

Green (30%)

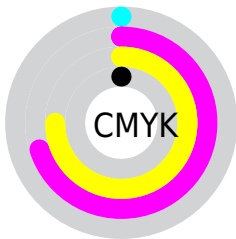
Blue (25%)



Red (100%)

Yellow (31%)

Blue (25%)

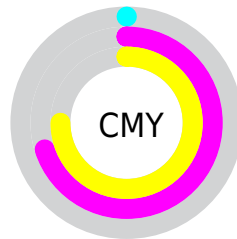


Cyan (0%)

Magenta (70%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (70%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8193, 26.9379, 7.6878 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 44.8193, 26.9379, 7.6878 by changing the saturation by 10% instead.


 44.8193, 26.9379,
7.6878


 44.8193, 26.9379,
7.6878


356.8372,
287.3563, 183.1045


 31.5158, 17.5266,
3.8109


 81.6879, 54.7842,
21.8801

 21.1457, 10.6106,
1.5222


 105.9837, 73.9880,
33.0326


 13.3436, 5.8057,
0.2344


 134.6744, 97.2247,
47.4473

 7.7442, 2.7273,
0.0000

 168.1252,
124.8788, 65.5430

 3.9821, 0.9911,
0.0000

 206.7015,
157.3346, 87.7380

 1.6920, 0.0000,
0.0000

 250.7687,

 0.4513, 0.0000,

194.9765, 114.4509

0.0000

300.6922,
238.1889, 146.1002

■ 0.0000, 0.0000,
0.0000

■ 44.8193, 26.9379,
7.6878

■ 44.8193, 26.9379,
7.6878

■ 42.8822, 23.9721,
4.2433

■ 47.6959, 31.2533,
13.0805

■ 41.7638, 22.1917,
2.4630


■ 51.6095, 37.0482,
20.6508


■ 41.4460, 21.6724,
1.9987

■ 56.6475, 44.4424,
30.5976

■ 62.8873, 53.5423,
43.0969

■ 70.3997, 64.4451,
58.3083

 79.2497, 77.2406,
76.3781

 89.4981, 92.0128,
97.4423

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.



49.9715, 26.9379, 24.7280



44.8193, 26.9379, 7.6878



34.6101, 26.9379, 2.3601

Triad

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



44.8193, 26.9379, 7.6878



11.8118, 26.9379, 11.6830



27.3410, 26.9379, 125.6864

Complementary

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



44.8193, 26.9379, 7.6878



51.9129, 71.8072, 105.7312

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.



18.3132, 26.9379, 113.1341



44.8193, 26.9379, 7.6878



10.8144, 26.9379, 34.4720

Square

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



44.8193, 26.9379, 7.6878



16.0585, 26.9379, 3.3884



12.8558, 26.9379, 73.7853



38.3349, 26.9379, 101.5808

Rectangle

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



44.8193, 26.9379, 7.6878



27.2966, 26.9379, 1.5544



12.8558, 26.9379, 73.7853



23.9822, 26.9379, 125.7145

Sweetspot

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



44.8199, 26.9395, 7.6882



72.8274, 67.9594, 63.2510



59.1402, 31.3536, 87.1489



15.1018, 13.8421, 12.5481



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.



44.8199, 26.9395, 7.6882



42.2185, 22.9275, 3.1485



56.9622, 51.2240, 11.7356



18.1087, 18.1856, 18.7001



21.6931, 11.3974, 1.0566



2.1453, 1.1759, 0.1139

Inverse Universe

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



51.9129, 71.8072, 105.7312



49.4371, 69.3807, 105.3939



30.5618, 29.1050, 98.6142



18.4427, 20.2570, 23.1879



25.3961, 35.7017, 54.9872



2.5033, 3.5373, 5.3641

Previews

White Background



This preview shows how the XYZ color 44.8193, 26.9379, 7.6878 looks on a white background.

Color Contrast Check

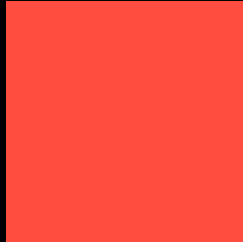
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.8193, 26.9379, 7.6878 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 44.8193, 26.9379, 7.6878

Background



This preview shows how black text looks on a background with the XYZ color 44.8193, 26.9379, 7.6878.



This preview shows how white text looks on a background with the XYZ color 44.8193, 26.9379,

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

44.8193, 26.9379, 7.6878

Protanopia

24.8303, 26.9704, 12.4915

Deuteranopia

27.4153, 26.9230, 7.0005



Tritanopia

45.2357, 26.9934, 10.2232

Trichromacy



Original Color

44.8193, 26.9379, 7.6878

Protanomaly

29.3038, 24.5691, 10.2190

Deuteranomaly

31.9080, 25.2993, 6.9429

Tritanomaly

45.0605, 26.9233, 9.3003

Monochromacy



Original Color

44.8193, 26.9379, 7.6878

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

25.8049, 21.2857, 16.1131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8193, 26.9379, 7.6878 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, 77, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 64)  
}
```

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, 77, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 64) }
```

Border

The CSS property to change the border of an element to XYZ 44.8193, 26.9379, 7.6878 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, 77, 64) }
```


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

```
.border{ border-color:rgb(255, 77, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 77, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8193, 26.9379, 7.6878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 64) }
```

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

```
.background{ background-color: rgb(255, 77,  
64) }
```

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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