

Converting Colors

XYZ(41.8435, 28.1064, 7.2227)

Have a look what the booklet for
XYZ(41.8435, 28.1064, 7.2227)
contains.

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Color

**XYZ(41.8435, 28.1064,
7.2227)**

Conversions

Conversions Part 1

Format	Color
Hex	F2633A
RGB	242, 99, 58
RGB Percent	95%, 39%, 23%
CMY	0.0510, 0.6117, 0.7725
CMYK	0.00, 0.59, 0.76, 0.05
HSL	13°, 88%, 59%
HSV	13°, 76%, 95%
XYZ	41.8435, 28.1064, 7.2227
YIQ	137.0830, 98.3890, 17.5650

Conversions

Conversions Part 2

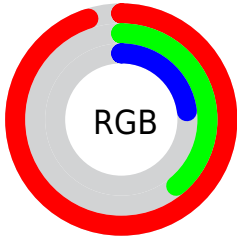
Format	Color
R_{YB}	242, 111, 58
Decimal	15885114
CIE _{Lab}	59.98, 52.84, 50.05
CIE _{LCh}	60, 72.782, 43.443
Yxy	28.1064, 0.5422, 0.3642
Android (android.graphics.Color)	4294075194 (0xFFFF2633A)
YUV	137.0830, -38.9879, 92.0122
Hunter-Lab	53.0155, 48.1076, 29.0333

Details

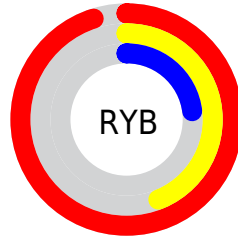
The XYZ color **41.8435, 28.1064, 7.2227** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **38.6567, 49.0798, 91.4397**, and the grayscale version is **23.9272, 25.1732, 27.4137**.

A 20% lighter version of the original color is **55.5024, 45.4539, 20.0355**, and **19.2678, 11.2103, 1.3780** is the 20% darker color. If you saturate the color by 10%, you get **39.7871, 24.7585, 4.1803**, and if you desaturate by 10%, it is **44.6051, 32.4028, 11.9263**.

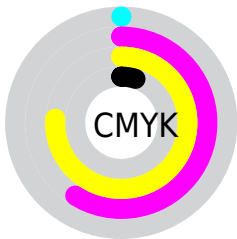
Distribution



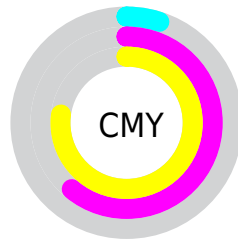
- Red (95%)
- Green (39%)
- Blue (23%)



- Red (95%)
- Yellow (44%)
- Blue (23%)



- Cyan (0%)
- Magenta (59%)
- Yellow (76%)
- Black (5%)




- Cyan (5%)
- Magenta (61%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8435, 28.1064, 7.2227 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 41.8435, 28.1064, 7.2227 by changing the saturation by 10% instead.


 41.8435, 28.1064,
7.2227


 41.8435, 28.1064,
7.2227


344.8365,
292.9750, 179.2021

 29.1693, 18.4059,
3.5212


 77.2294, 56.6543,
20.9403


 19.3539, 11.2418,
1.3665


 100.6718, 76.2704,
31.7935

 12.0318, 6.2297,
0.1154


 128.4343, 99.9605,
45.8676

 6.8377, 2.9853,
0.0000

 160.8824,
128.1091, 63.5813

 3.4062, 1.1240,
0.0000

 198.3812,
161.1004, 85.3531

 1.3720, 0.0000,
0.0000

 241.2963,

 0.2362, 0.0000,

199.3189, 111.6014

0.0000

289.9929,
243.1489, 142.7449

■ 0.0000, 0.0000,
0.0000

■ 41.8435, 28.1064,
7.2227

■ 41.8435, 28.1064,
7.2227

■ 39.7871, 24.7585,
4.1803

■ 44.6051, 32.4028,
11.9263

■ 38.3602, 22.2781,
2.5540


■ 48.1321, 37.7101,
18.4873


■ 37.9338, 21.5093,
2.1524

■ 52.4802, 44.0906,
27.0757

■ 57.6989, 51.6000,
37.8417

■ 63.8336, 60.2901,
50.9212

 70.9267, 70.2095,
66.4392

 79.0176, 81.4040,
84.5115

 88.1436, 93.9168,
105.2464

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



48.0492, 28.1064, 20.2112



41.8435, 28.1064, 7.2227



32.1176, 28.1064, 3.1265

Triad

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



41.8435, 28.1064, 7.2227



13.0214, 28.1064, 18.2479



31.0721, 28.1064, 111.8426

Complementary

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



41.8435, 28.1064, 7.2227



38.6567, 49.0798, 91.4397

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.



21.9537, 28.1064, 110.1490



41.8435, 28.1064, 7.2227



12.8668, 28.1064, 44.0578

Square

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



41.8435, 28.1064, 7.2227



16.2440, 28.1064, 6.4997



15.7577, 28.1064, 80.7799



40.9272, 28.1064, 84.5816

Rectangle

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



41.8435, 28.1064, 7.2227



25.6590, 28.1064, 2.7050



15.7577, 28.1064, 80.7799



27.7981, 28.1064, 114.9684

Sweetspot

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



41.8441, 28.1080, 7.2232



74.1477, 71.0694, 62.2434



48.8073, 26.1740, 58.4394



15.2839, 14.3874, 12.0509



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.



41.8441, 28.1080, 7.2232



43.8877, 26.3087, 3.5729



55.7660, 55.9517, 11.8638



16.0585, 16.3301, 16.4554



20.4616, 11.7213, 1.1840



1.7741, 1.1189, 0.1225

Inverse Universe

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



38.6567, 49.0798, 91.4397



39.8251, 50.2474, 102.2074



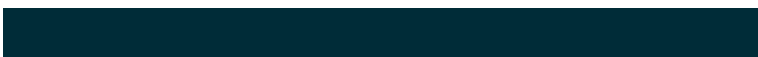
23.3623, 18.4912, 86.3416



15.9312, 17.2964, 20.2205



18.3845, 22.9933, 48.5971



1.6020, 2.0580, 4.0670

Previews

White Background



This preview shows how the XYZ color 41.8435, 28.1064, 7.2227 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 41.8435, 28.1064, 7.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

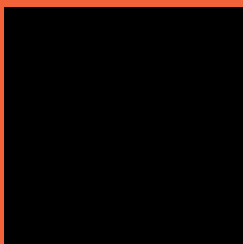
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8435, 28.1064, 7.2227

Background



This preview shows how black text looks on a background with the XYZ color 41.8435, 28.1064, 7.2227.



This preview shows how white text looks on a background with the XYZ color 41.8435, 28.1064,

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

41.8435, 28.1064, 7.2227

Protanopia

25.7923, 28.1923, 10.2131

Deuteranopia

28.6780, 28.2141, 6.7307



Tritanopia

43.6112, 28.1586, 15.1932

Trichromacy



Original Color

41.8435, 28.1064, 7.2227

Protanomaly

29.9675, 26.7907, 8.9019

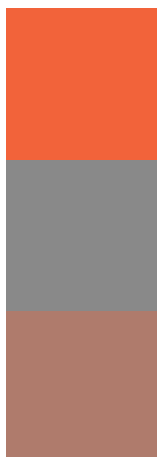
Deuteranomaly

32.4561, 27.3597, 6.8191

Tritanomaly

42.7847, 28.0763, 11.7586

Monochromacy



Original Color

41.8435, 28.1064, 7.2227

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

27.4689, 24.3626, 17.4420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8435, 28.1064, 7.2227 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(242, 99, 58)` looks like.

```
.text, #text, p{  
    color:rgb(242, 99, 58)  
}
```

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(242, 99, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 99, 58) }
```

Border

The CSS property to change the border of an element to XYZ 41.8435, 28.1064, 7.2227 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(242, 99, 58) }
```


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

```
.border{ border-color:rgb(242, 99, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 99, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 99, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 99, 58);  
box-shadow:4px 4px 4px 4px rgb(242, 99,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8435, 28.1064, 7.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 99, 58) }
```

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

```
.background{ background-color: rgb(242, 99,  
58) }
```

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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