

Converting Colors

XYZ(41.8454, 28.0334, 9.0756)

Have a look what the booklet for
XYZ(41.8454, 28.0334, 9.0756)
contains.

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Color

**XYZ(41.8430, 28.0666,
9.0064)**

Conversions

Conversions Part 1

Format	Color
Hex	F16346
RGB	241, 99, 70
RGB Percent	95%, 39%, 27%
CMY	0.0549, 0.6117, 0.7255
CMYK	0.00, 0.59, 0.71, 0.05
HSL	10°, 86%, 61%
HSV	10°, 71%, 95%
XYZ	41.8430, 28.0666, 9.0064
YIQ	138.1520, 93.9410, 21.0850

Conversions

Conversions Part 2

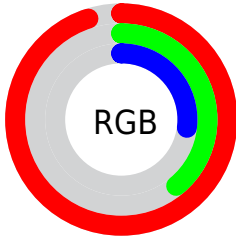
Format	Color
R_{YB}	241, 105, 70
Decimal	15819590
CIE _{Lab}	59.95, 53.00, 43.80
CIE _{LCh}	60, 68.757, 39.575
Yxy	28.0666, 0.5302, 0.3557
Android (android.graphics.Color)	4294009670 (0xFFFF16346)
YUV	138.1520, -33.5989, 90.1977
Hunter-Lab	52.9779, 48.2714, 27.0051

Details

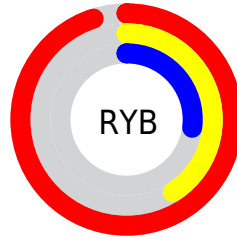
The XYZ color **41.8430, 28.0666, 9.0064** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.9446, 54.7362, 91.5732**, and the grayscale version is **24.3157, 25.5820, 27.8588**.

A 20% lighter version of the original color is **56.1858, 45.7273, 23.6342**, and **19.3888, 11.2587, 2.0154** is the 20% darker color. If you saturate the color by 10%, you get **39.5624, 24.4886, 5.2162**, and if you desaturate by 10%, it is **44.8996, 32.7091, 14.5605**.

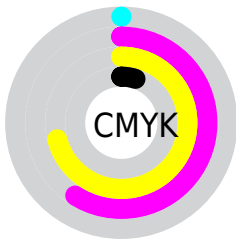
Distribution



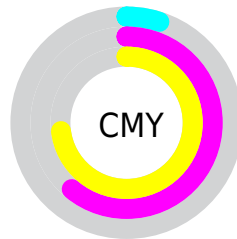
- Red (95%)
- Green (39%)
- Blue (27%)



- Red (95%)
- Yellow (41%)
- Blue (27%)



- Cyan (0%)
- Magenta (59%)
- Yellow (71%)
- Black (5%)



- Cyan (5%)
- Magenta (61%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8430, 28.0666, 9.0064 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 41.8430, 28.0666, 9.0064 by changing the saturation by 10% instead.

41.8430, 28.0666,
9.0064

41.8430, 28.0666,
9.0064

344.8344,
292.7850, 193.6455

29.1689, 18.3759,
4.6485

77.2286, 56.5908,
24.4870

19.3536, 11.2202,
1.9874

100.6709, 76.1930,
36.4467

12.0316, 6.2151,
0.5475

128.4333, 99.8678,
51.7775

6.8375, 2.9763,
0.0000

160.8811,
127.9996, 70.8978

3.4061, 1.1194,
0.0000

198.3798,
160.9729, 94.2262

1.3720, 0.0000,
0.0000

241.2947,

0.2361, 0.0000,

199.1719, 122.1813

0.0000

289.9911,
242.9812, 155.1815

■ 0.0000, 0.0000,
0.0000

■ 41.8430, 28.0666,
9.0064

■ 41.8430, 28.0666,
9.0064

■ 39.5624, 24.4886,
5.2162

■ 44.8996, 32.7091,
14.5605

■ 37.9816, 21.8842,
2.9713


■ 48.7947, 38.4880,
22.0595


■ 37.0643, 20.2784,
1.9606


■ 53.5863, 45.4741,
31.6630

■ 59.3265, 53.7311,
43.5139

■ 66.0635, 63.3182,
57.7425

 73.8422, 74.2908,
74.4692

 82.7044, 86.7013,
93.8060

 90.0855, 97.4407,
108.6677

Harmonies

Analogous

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



46.9206, 28.0666, 23.2313



41.8430, 28.0666, 9.0064



32.9828, 28.0666, 4.0047

Triad

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



41.8430, 28.0666, 9.0064



13.8215, 28.0666, 16.6507



29.5713, 28.0666, 106.8467

Complementary

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



41.8430, 28.0666, 9.0064



41.9446, 54.7362, 91.5732

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.



21.2301, 28.0666, 101.5113



41.8430, 28.0666, 9.0064



13.2977, 28.0666, 39.2870

Square

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



41.8430, 28.0666, 9.0064



17.3368, 28.0666, 6.4462



15.7048, 28.0666, 72.6318



38.8819, 28.0666, 84.7077

Rectangle

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



41.8430, 28.0666, 9.0064



26.8013, 28.0666, 3.2738



15.7048, 28.0666, 72.6318



26.5520, 28.0666, 108.3960

Sweetspot

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



41.8436, 28.0682, 9.0069



75.0143, 71.8555, 65.4521



50.4125, 27.8599, 65.3389



15.5779, 14.7017, 12.9927



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.



41.8436, 28.0682, 9.0069



44.1112, 26.4362, 4.6327



54.5215, 53.4239, 13.2328



15.9895, 16.1921, 16.4324



20.1652, 11.1286, 1.0852



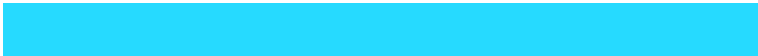
1.7398, 1.0502, 0.1110

Inverse Universe

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



41.9446, 54.7362, 91.5732



43.9901, 57.9000, 103.4650



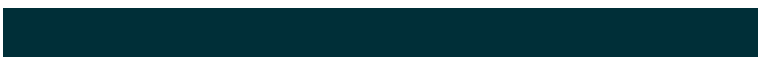
25.9925, 22.8319, 86.2558



16.0059, 17.4459, 20.2454



19.9121, 26.0485, 49.1063



1.7162, 2.2864, 4.1051

Previews

White Background



This preview shows how the XYZ color 41.8430, 28.0666, 9.0064 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 41.8430, 28.0666, 9.0064 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 41.8430, 28.0666, 9.0064

Background



This preview shows how black text looks on a background with the XYZ color 41.8430, 28.0666, 9.0064.



This preview shows how white text looks on a background with the XYZ color 41.8430, 28.0666,

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

41.8430, 28.0666, 9.0064

Protanopia

26.0632, 28.2776, 12.6788

Deuteranopia

28.7804, 28.2281, 8.4891



Tritanopia

43.0591, 28.0012, 15.4472

Trichromacy



Original Color

41.8430, 28.0666, 9.0064

Protanomaly

30.1534, 26.8363, 11.1801

Deuteranomaly

32.5189, 27.3535, 8.5668

Tritanomaly

42.6463, 27.9812, 12.8261

Monochromacy



Original Color

41.8430, 28.0666, 9.0064

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

27.8675, 24.7215, 18.9257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8430, 28.0666, 9.0064 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(241, 99, 70)` looks like.

```
.text, #text, p{  
    color:rgb(241, 99, 70)  
}
```

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(241, 99, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 99, 70) }
```

Border

The CSS property to change the border of an element to XYZ 41.8430, 28.0666, 9.0064 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(241, 99, 70) }
```


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

```
.border{ border-color:rgb(241, 99, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 99, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 99, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 99, 70);  
box-shadow:4px 4px 4px 4px rgb(241, 99,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8430, 28.0666, 9.0064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 99, 70) }
```

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

```
.background{ background-color: rgb(241, 99,  
70) }
```

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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