

Converting Colors

XYZ(42.3386, 28.9520, 8.3095)

Have a look what the booklet for
XYZ(42.3386, 28.9520, 8.3095)
contains.

XYZ(42.4223, 28.9594, 8.3548)	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(42.4223, 28.9594,
8.3548)**

Conversions

Conversions Part 1

Format	Color
Hex	F26741
RGB	242, 103, 65
RGB Percent	95%, 40%, 25%
CMY	0.0510, 0.5960, 0.7451
CMYK	0.00, 0.57, 0.73, 0.05
HSL	13°, 87%, 60%
HSV	13°, 73%, 95%
XYZ	42.4223, 28.9594, 8.3548
YIQ	140.2290, 95.0420, 17.6500

Conversions

Conversions Part 2

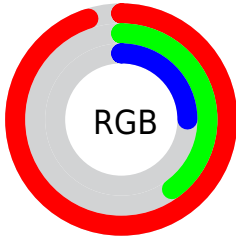
Format	Color
R _Y B	242, 113, 65
Decimal	15886145
CIE Lab	60.75, 51.31, 47.33
CIE LCh	61, 69.807, 42.691
Yxy	28.9594, 0.5320, 0.3632
Android (android.graphics.Color)	4294076225 (0xFFFF26741)
YUV	140.2290, -37.0879, 89.2532
Hunter-Lab	53.8139, 46.5397, 28.4648

Details

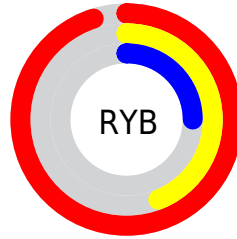
The XYZ color **42.4223, 28.9594, 8.3548** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **39.7977, 50.7162, 91.6954**, and the grayscale version is **25.1314, 26.4401, 28.7933**.

A 20% lighter version of the original color is **56.5614, 46.9515, 22.3011**, and **19.7485, 11.7381, 1.7551** is the 20% darker color. If you saturate the color by 10%, you get **40.1852, 25.3773, 4.8600**, and if you desaturate by 10%, it is **45.3903, 33.5238, 13.5739**.

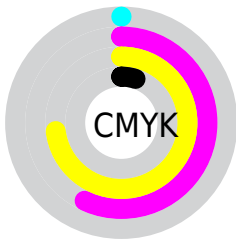
Distribution



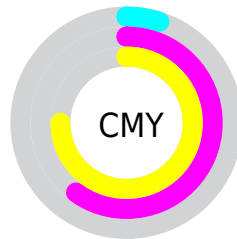
- Red (95%)
- Green (40%)
- Blue (25%)



- Red (95%)
- Yellow (44%)
- Blue (25%)



- Cyan (0%)
- Magenta (57%)
- Yellow (73%)
- Black (5%)





- Cyan (5%)
- Magenta (60%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4223, 28.9594, 8.3548 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 42.4223, 28.9594, 8.3548 by changing the saturation by 10% instead.

 42.4223, 28.9594,
8.3548


 42.4223, 28.9594,
8.3548

347.1925,
297.0234, 188.5263

 29.6247, 19.0501,
4.2318


 78.0995, 58.0126,
23.2087

 19.7005, 11.7065,
1.7533


 101.7098, 77.9252,
34.7766


 12.2845, 6.5442,
0.3969


 129.6550,
101.9412, 49.6633

 7.0113, 3.1787,
0.0000

 162.3005,
130.4447, 68.2872

 3.5156, 1.2257,
0.0000

 200.0117,
163.8203, 91.0669

 1.4319, 0.0826,
0.0000

243.1538,

 0.2788, 0.0000,

202.4524, 118.4210

0.0000

292.0923,
246.7253, 150.7679

■ 0.0000, 0.0000,
0.0000

■ 42.4223, 28.9594,
8.3548

■ 42.4223, 28.9594,
8.3548

■ 40.1852, 25.3773,
4.8600

■ 45.3903, 33.5238,
13.5739

■ 38.6062, 22.6972,
2.8603


■ 49.1481, 39.1327,
20.7044


■ 37.8441, 21.3300,
2.1225

■ 53.7503, 45.8487,
29.9102

■ 59.2461, 53.7277,
41.3375

■ 65.6806, 62.8221,
55.1188

 73.0958, 73.1808,
71.3766

 81.5313, 84.8501,
90.2244

 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.



48.2646, 28.9594, 21.7894



42.4223, 28.9594, 8.3548



33.0417, 28.9594, 3.8553

Triad

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



42.4223, 28.9594, 8.3548



14.0153, 28.9594, 18.8928



31.5336, 28.9594, 109.5736

Complementary

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



42.4223, 28.9594, 8.3548



39.7977, 50.7162, 91.6954

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.



22.6594, 28.9594, 107.2036



42.4223, 28.9594, 8.3548



13.7849, 28.9594, 43.8159

Square

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



42.4223, 28.9594, 8.3548



17.3197, 28.9594, 7.2360



16.6010, 28.9594, 78.9176



41.1116, 28.9594, 84.2750

Rectangle

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



42.4223, 28.9594, 8.3548



26.7149, 28.9594, 3.3372



16.6010, 28.9594, 78.9176



28.3514, 28.9594, 112.2664

Sweetspot

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



42.4230, 28.9610, 8.3553



74.8182, 71.9409, 63.9146



49.7216, 27.1432, 61.3937



15.5625, 14.7636, 12.7016



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.



42.4230, 28.9610, 8.3553



44.2627, 26.9181, 4.1317



55.7479, 55.6108, 12.7969



16.0479, 16.3089, 16.4518



20.4110, 11.6202, 1.1671



1.7685, 1.1077, 0.1206

Inverse Universe

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



39.7977, 50.7162, 91.6954



40.8707, 52.0404, 102.4984



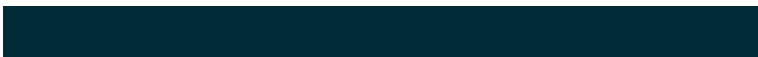
24.6972, 20.5151, 86.6619



15.9425, 17.3192, 20.2243



18.6096, 23.4434, 48.6721



1.6189, 2.0918, 4.0727

Previews

White Background



This preview shows how the XYZ color 42.4223, 28.9594, 8.3548 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 42.4223, 28.9594, 8.3548 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 42.4223, 28.9594, 8.3548

Background



This preview shows how black text looks on a background with the XYZ color 42.4223, 28.9594, 8.3548.



This preview shows how white text looks on a background with the XYZ color 42.4223, 28.9594,

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

42.4223, 28.9594, 8.3548

Protanopia

26.7453, 29.1133, 11.6069

Deuteranopia

29.6203, 29.1090, 7.7988



Tritanopia

44.1746, 28.9679, 16.3598

Trichromacy



Original Color

42.4223, 28.9594, 8.3548

Protanomaly

30.8382, 27.8034, 10.2198

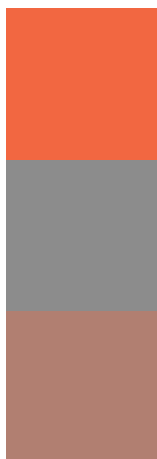
Deuteranomaly

33.2806, 28.3319, 7.8522

Tritanomaly

43.3648, 28.9072, 12.9669

Monochromacy



Original Color

42.4223, 28.9594, 8.3548

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

28.7015, 25.7181, 19.0741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4223, 28.9594, 8.3548 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, 103, 65)` looks like.

```
.text, #text, p{  
    color:rgb(242, 103, 65)  
}
```

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, 103, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 103, 65) }
```

Border

The CSS property to change the border of an element to XYZ 42.4223, 28.9594, 8.3548 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, 103, 65) }
```


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

```
.border{ border-color:rgb(242, 103, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 103, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 103, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 103, 65);  
box-shadow:4px 4px 4px 4px rgb(242, 103,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4223, 28.9594, 8.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 103, 65) }
```

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

```
.background{ background-color: rgb(242,  
103, 65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor