

Converting Colors

XYZ(46.2907, 36.7664, 9.0102)

Have a look what the booklet for
XYZ(46.2907, 36.7664, 9.0102)
contains.

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Color

**XYZ(46.2644, 36.8225,
9.0839)**

Conversions

Conversions Part 1

Format	Color
Hex	F2883D
RGB	242, 136, 61
RGB Percent	95%, 53%, 24%
CMY	0.0510, 0.4666, 0.7608
CMYK	0.00, 0.44, 0.75, 0.05
HSL	25°, 87%, 59%
HSV	25°, 75%, 95%
XYZ	46.2644, 36.8225, 9.0839
YIQ	159.1440, 87.2510, -0.8530

Conversions

Conversions Part 2

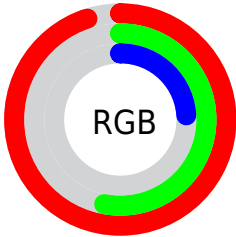
Format	Color
RYB	242, 189, 61
Decimal	15894589
CIELab	67.14, 34.94, 55.96
CIElCh	67, 65.970, 58.023
Yxy	36.8225, 0.5019, 0.3995
Android (android.graphics.Color)	4294084669 (0xFFFF2883D)
YUV	159.1440, -48.3850, 72.6647
Hunter-Lab	60.6815, 29.8980, 33.6015

Details

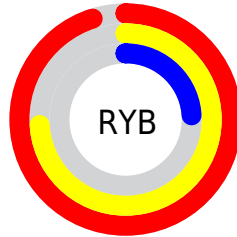
The XYZ color **46.2644, 36.8225, 9.0839** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **31.7691, 35.0381, 89.0924**, and the grayscale version is **33.2082, 34.9376, 38.0470**.

A 20% lighter version of the original color is **62.6341, 59.2792, 23.7636**, and **22.0818, 16.2047, 2.0214** is the 20% darker color. If you saturate the color by 10%, you get **43.8879, 32.8882, 5.7689**, and if you desaturate by 10%, it is **49.2003, 41.4060, 14.0355**.

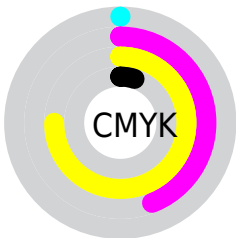
Distribution



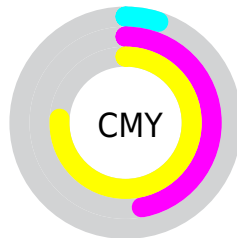
- Red (95%)
- Green (53%)
- Blue (24%)



- Red (95%)
- Yellow (74%)
- Blue (24%)



- Cyan (0%)
- Magenta (44%)
- Yellow (75%)
- Black (5%)



- Cyan (5%)
- Magenta (47%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2644, 36.8225, 9.0839 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 46.2644, 36.8225, 9.0839 by changing the saturation by 10% instead.

46.2644, 36.8225,
9.0839

46.2644, 36.8225,
9.0839

362.5688,
332.5414, 194.2436

32.6600, 25.0701,
4.6984

83.8400, 70.2997,
24.6378

22.0241, 16.1293,
2.0158

108.5419, 92.7933,
36.6433

13.9913, 9.6157,
0.5650

137.6738,
119.6361, 52.0259

8.1963, 5.1449,
0.0000

171.6008,
151.2124, 71.2040

4.2737, 2.3325,
0.0000

210.6885,
187.9067, 94.5963

1.8581, 0.7908,
0.0000

255.3022,

0.5523, 0.0000,

230.1034, 122.6214

0.0000

305.8071,
278.1868, 155.6976

■ 0.0000, 0.0000,
0.0000

■ 46.2644, 36.8225,
9.0839

■ 46.2644, 36.8225,
9.0839

■ 43.8879, 32.8882,
5.7689

■ 49.2003, 41.4060,
14.0355

■ 42.0150, 29.5596,
3.8586


■ 52.7379, 46.6664,
20.8096


■ 41.2022, 28.0461,
3.2419


■ 56.9174, 52.6361,
29.5688

■ 61.7744, 59.3433,
40.4569

■ 67.3414, 66.8147,
53.6041

 73.6488, 75.0751,
69.1302

 80.7249, 84.1485,
87.1465

 88.5965, 94.0574,
107.7571

 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.



54.9830, 36.8225, 19.3048



46.2644, 36.8225, 9.0839



35.6697, 36.8225, 6.3159

Triad

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



46.2644, 36.8225, 9.0839



19.0182, 36.8225, 38.2141



44.8873, 36.8225, 111.4953

Complementary

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



46.2644, 36.8225, 9.0839



31.7691, 35.0381, 89.0924

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.



34.3362, 36.8225, 124.7573



46.2644, 36.8225, 9.0839



20.5593, 36.8225, 72.1280

Square

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



46.2644, 36.8225, 9.0839



21.0305, 36.8225, 17.3435



25.7286, 36.8225, 107.7617



54.0869, 36.8225, 77.1316

Rectangle

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



46.2644, 36.8225, 9.0839



29.3528, 36.8225, 7.1313



25.7286, 36.8225, 107.7617



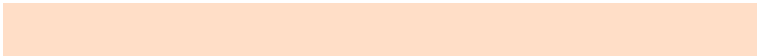
41.3257, 36.8225, 119.1254

Sweetspot

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



46.2652, 36.8245, 9.0846



77.6978, 77.7000, 64.8745



45.5045, 25.1020, 40.2791



16.2350, 16.1085, 12.9258



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.



46.2652, 36.8245, 9.0846



48.2104, 34.9113, 5.1458



64.0887, 72.4713, 15.0257



16.3109, 16.8349, 16.5395



22.2617, 15.3215, 1.7840



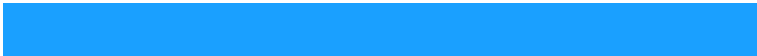
1.9478, 1.4663, 0.1804

Inverse Universe

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



31.7691, 35.0381, 89.0924



31.0160, 32.5383, 99.2535



20.7548, 13.0096, 85.4210



15.6664, 16.7670, 20.1323



13.9215, 14.0673, 47.1094



1.2560, 1.3660, 3.9517

Previews

White Background



This preview shows how the XYZ color 46.2644, 36.8225, 9.0839 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 46.2644, 36.8225, 9.0839 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 ✓ Pass

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

XYZ 46.2644, 36.8225, 9.0839

Background



This preview shows how black text looks on a background with the XYZ color 46.2644, 36.8225, 9.0839.



This preview shows how white text looks on a background with the XYZ color 46.2644, 36.8225,

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

46.2644, 36.8225, 9.0839

Protanopia

33.6410, 36.9257, 10.9845

Deuteranopia

37.7549, 37.0319, 8.7724



Tritanopia

50.2406, 36.8373, 28.1293

Trichromacy



Original Color

46.2644, 36.8225, 9.0839

Protanomaly

37.4408, 36.3419, 10.1956

Deuteranomaly

40.3994, 36.6957, 8.8246

Tritanomaly

48.5328, 36.7492, 19.0033

Monochromacy



Original Color

46.2644, 36.8225, 9.0839

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.6280, 34.3821, 23.4975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2644, 36.8225, 9.0839 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, 136, 61)` looks like.

```
.text, #text, p{  
    color:rgb(242, 136, 61)  
}
```

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, 136, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 136, 61) }
```

Border

The CSS property to change the border of an element to XYZ 46.2644, 36.8225, 9.0839 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, 136, 61) }
```


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

```
.border{ border-color:rgb(242, 136, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 136, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 136, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 136, 61);  
box-shadow:4px 4px 4px 4px rgb(242, 136,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2644, 36.8225, 9.0839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 136, 61) }
```

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

```
.background{ background-color: rgb(242,  
136, 61) }
```

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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