

Converting Colors

XYZ(45.9582, 35.9601, 9.3342)

Have a look what the booklet for
XYZ(45.9582, 35.9601, 9.3342)
contains.

XYZ(45.9309, 36.0225, 9.3827)	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(45.9309, 36.0225,
9.3827)**

Conversions

Conversions Part 1

Format	Color
Hex	F28540
RGB	242, 133, 64
RGB Percent	95%, 52%, 25%
CMY	0.0510, 0.4784, 0.7490
CMYK	0.00, 0.45, 0.74, 0.05
HSL	23°, 87%, 60%
HSV	23°, 74%, 95%
XYZ	45.9309, 36.0225, 9.3827
YIQ	157.7250, 87.1130, 1.6490

Conversions

Conversions Part 2

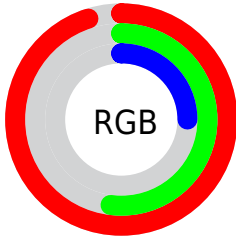
Format	Color
R_{YB}	242, 177, 64
Decimal	15893824
CIE _{Lab}	66.54, 36.60, 53.97
CIE _{LCh}	67, 65.209, 55.852
Yxy	36.0225, 0.5029, 0.3944
Android (android.graphics.Color)	4294083904 (0xFFFF28540)
YUV	157.7250, -46.2064, 73.9092
Hunter-Lab	60.0187, 31.5689, 32.7443

Details

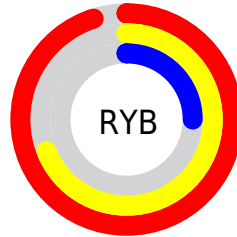
The XYZ color **45.9309, 36.0225, 9.3827** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **33.0838, 37.3856, 89.4762**, and the grayscale version is **32.5509, 34.2461, 37.2940**.

A 20% lighter version of the original color is **62.1048, 58.0385, 24.1489**, and **21.8890, 15.7576, 2.1463** is the 20% darker color. If you saturate the color by 10%, you get **43.4981, 32.0305, 5.8798**, and if you desaturate by 10%, it is **48.9501, 40.7102, 14.5544**.

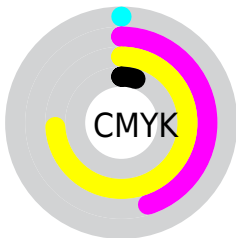
Distribution



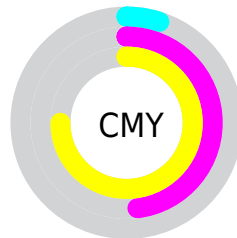
- Red (95%)
- Green (52%)
- Blue (25%)



- Red (95%)
- Yellow (69%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (74%)
- Black (5%)





- Cyan (5%)
- Magenta (48%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9309, 36.0225, 9.3827 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 45.9309, 36.0225, 9.3827 by changing the saturation by 10% instead.


 45.9309, 36.0225,
9.3827


 45.9309, 36.0225,
9.3827

361.2514,
329.0589, 196.5297


 32.3957, 24.4516,
4.8914


 83.3441, 69.0668,
25.2172


 21.8209, 15.6689,
2.1261


 107.9527, 91.3089,
37.3974

 13.8412, 9.2902,
0.6312


 136.9833,
117.8770, 52.9778

 8.0913, 4.9309,
0.0000

 170.8010,
149.1553, 72.3768

 4.2057, 2.2068,
0.0000

 209.7714,
185.5282, 96.0129

 1.8192, 0.7237,
0.0000

254.2596,

 0.5292, 0.0000,

227.3802, 124.3047

0.0000

304.6312,
275.0956, 157.6708

■ 0.0000, 0.0000,
0.0000

■ 45.9309, 36.0225,
9.3827

■ 45.9309, 36.0225,
9.3827

■ 43.4981, 32.0305,
5.8798

■ 48.9501, 40.7102,
14.5544

■ 41.5955, 28.6878,
3.8198

■ 52.5988, 46.1240,
21.5774

■ 40.6042, 26.8501,
3.0425

■ 56.9181, 52.2990,
30.6122

■ 61.9445, 59.2658,
41.8012

■ 67.7115, 67.0533,
55.2737

■ 74.2504, 75.6888,
71.1485

■ 81.5905, 85.1981,
89.5365

■ 89.3378, 95.4374,
108.3204

■ 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.



54.1293, 36.0225, 20.0959



45.9309, 36.0225, 9.3827



35.6181, 36.0225, 6.2786

Triad

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



45.9309, 36.0225, 9.3827



18.6843, 36.0225, 35.4505



43.1215, 36.0225, 110.5045

Complementary

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



45.9309, 36.0225, 9.3827



33.0838, 37.3856, 89.4762

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.



32.8946, 36.0225, 121.3221



45.9309, 36.0225, 9.3827



19.9367, 36.0225, 67.7447

Square

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



45.9309, 36.0225, 9.3827



20.9013, 36.0225, 16.0739



24.7203, 36.0225, 102.9066



52.3023, 36.0225, 77.9407

Rectangle

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



45.9309, 36.0225, 9.3827



29.3487, 36.0225, 6.8585



24.7203, 36.0225, 102.9066



39.6428, 36.0225, 117.3135

Sweetspot

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



45.9317, 36.0244, 9.3833



77.3010, 76.9065, 64.7422



46.0685, 25.5910, 42.4369



16.1419, 15.9224, 12.8948



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.



45.9317, 36.0244, 9.3833



47.9129, 34.2185, 5.3484



63.4611, 71.0833, 15.2265



16.2753, 16.7637, 16.5276



21.9360, 14.6701, 1.6755



1.9186, 1.4079, 0.1706

Inverse Universe

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



33.0838, 37.3856, 89.4762



32.6067, 35.5123, 99.7438



21.3717, 13.9614, 85.5722



15.7030, 16.8401, 20.1444



14.4507, 15.1257, 47.2858



1.2984, 1.4507, 3.9658

Previews

White Background



This preview shows how the XYZ color 45.9309, 36.0225, 9.3827 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 45.9309, 36.0225, 9.3827 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 45.9309, 36.0225, 9.3827

Background



This preview shows how black text looks on a background with the XYZ color 45.9309, 36.0225, 9.3827.



This preview shows how white text looks on a background with the XYZ color 45.9309, 36.0225,

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

45.9309, 36.0225, 9.3827

Protanopia

32.9453, 36.0250, 11.5204

Deuteranopia

36.9479, 36.1132, 9.0262



Tritanopia

49.6427, 35.9813, 26.8829

Trichromacy



Original Color

45.9309, 36.0225, 9.3827

Protanomaly

36.8007, 35.2719, 10.6629

Deuteranomaly

39.7098, 35.6357, 9.0604

Tritanomaly

48.1357, 35.9549, 18.8710

Monochromacy



Original Color

45.9309, 36.0225, 9.3827

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

35.3718, 33.7689, 23.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9309, 36.0225, 9.3827 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, 133, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 133, 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(242, 133, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 133, 64) }
```

Border

The CSS property to change the border of an element to XYZ 45.9309, 36.0225, 9.3827 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, 133, 64) }
```


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

```
.border{ border-color:rgb(242, 133, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 133, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 133, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 133, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 133,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9309, 36.0225, 9.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 133, 64) }
```

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

```
.background{ background-color: rgb(242,  
133, 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](#).

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