

Converting Colors

XYZ(45.2799, 34.9230, 9.2703)

Have a look what the booklet for
XYZ(45.2799, 34.9230, 9.2703)
contains.

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Color

**XYZ(45.3936, 34.9479,
9.2036)**

Conversions

Conversions Part 1

Format	Color
Hex	F28140
RGB	242, 129, 64
RGB Percent	95%, 51%, 25%
CMY	0.0510, 0.4941, 0.7490
CMYK	0.00, 0.47, 0.74, 0.05
HSL	22°, 87%, 60%
HSV	22°, 74%, 95%
XYZ	45.3936, 34.9479, 9.2036
YIQ	155.3770, 88.2130, 3.7410

Conversions

Conversions Part 2

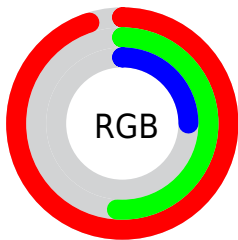
Format	Color
R _Y B	242, 166, 64
Decimal	15892800
CIE Lab	65.71, 38.64, 53.10
CIE LCh	66, 65.673, 53.958
Yxy	34.9479, 0.5069, 0.3903
Android (android.graphics.Color)	4294082880 (0xFFFF28140)
YUV	155.3770, -45.0489, 75.9684
Hunter-Lab	59.1167, 33.6093, 32.1512

Details

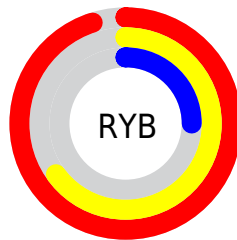
The XYZ color **45.3936, 34.9479, 9.2036** is a light color, and the websafe version is hex **CC6633**. The color can be described as light washed orange. A complement of this color would be **33.8623, 38.9426, 89.7357**, and the grayscale version is **31.4901, 33.1300, 36.0786**.

A 20% lighter version of the original color is **61.2680, 56.3648, 23.8700**, and **21.5311, 15.0330, 2.0540** is the 20% darker color. If you saturate the color by 10%, you get **42.9747, 30.9838, 5.7053**, and if you desaturate by 10%, it is **48.4168, 39.6437, 14.3766**.

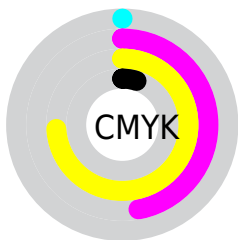
Distribution



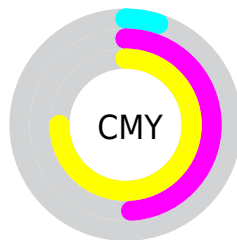
- Red (95%)
- Green (51%)
- Blue (25%)



- Red (95%)
- Yellow (65%)
- Blue (25%)



- Cyan (0%)
- Magenta (47%)
- Yellow (74%)
- Black (5%)





- Cyan (5%)
- Magenta (49%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3936, 34.9479, 9.2036 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 45.3936, 34.9479, 9.2036 by changing the saturation by 10% instead.


 45.3936, 34.9479,
9.2036


 45.3936, 34.9479,
9.2036


359.1223,
324.3383, 195.1632


 31.9702, 23.6227,
4.7756


 82.5442, 67.4050,
24.8703

 21.4941, 15.0540,
2.0598


 107.0020, 89.3058,
36.9461


 13.6002, 8.8573,
0.5917


 135.8687,
115.5006, 52.4083

 7.9230, 4.6482,
0.0000

 169.5096,
146.3738, 71.6753

 4.0971, 2.0424,
0.0000

 208.2900,
182.3097, 95.1658

 1.7572, 0.6319,
0.0000

252.5754,

 0.4917, 0.0000,

223.6929, 123.2983

0.0000

302.7310,
270.9076, 156.4912

■ 0.0000, 0.0000,
0.0000

■ 45.3936, 34.9479,
9.2036

■ 45.3936, 34.9479,
9.2036

■ 42.9747, 30.9838,
5.7053

■ 48.4168, 39.6437,
14.3766

■ 41.1025, 27.7018,
3.6554


■ 52.0890, 45.1045,
21.4075


■ 40.1386, 25.9190,
2.8873

■ 56.4527, 51.3682,
30.4571

■ 61.5455, 58.4678,
41.6682

■ 67.4022, 66.4347,
55.1705

 74.0551, 75.2982,
71.0834

 81.5347, 85.0864,
89.5178

 89.4478, 95.6572,
108.3570

 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.



53.2560, 34.9479, 20.2750



45.3936, 34.9479, 9.2036



35.2114, 34.9479, 5.8732

Triad

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



45.3936, 34.9479, 9.2036



17.9529, 34.9479, 32.7212



41.3483, 34.9479, 110.3451

Complementary

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



45.3936, 34.9479, 9.2036



33.8623, 38.9426, 89.7357

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.



31.2992, 34.9479, 119.2996



45.3936, 34.9479, 9.2036



18.9652, 34.9479, 64.0112

Square

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



45.3936, 34.9479, 9.2036



20.3433, 34.9479, 14.5436



23.4394, 34.9479, 99.3418



50.6215, 34.9479, 78.7381

Rectangle

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



45.3936, 34.9479, 9.2036



28.9333, 34.9479, 6.2480



23.4394, 34.9479, 99.3418



37.9038, 34.9479, 116.5876

Sweetspot

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



45.3944, 34.9498, 9.2042



76.9701, 76.2446, 64.6319



46.6589, 25.8272, 45.5460



16.0644, 15.7674, 12.8689



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.



45.3944, 34.9498, 9.2042



47.3373, 33.0674, 5.1565



61.9200, 68.0009, 14.7127



16.2454, 16.7040, 16.5177



21.6817, 14.1615, 1.5907



1.8953, 1.3613, 0.1629

Inverse Universe

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



33.8623, 38.9426, 89.7357



33.5559, 37.4107, 100.0601



21.8570, 14.9321, 85.7340



15.7338, 16.9017, 20.1547



14.9186, 16.0615, 47.4418



1.3355, 1.5249, 3.9782

Previews

White Background



This preview shows how the XYZ color 45.3936, 34.9479, 9.2036 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 45.3936, 34.9479, 9.2036 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 45.3936, 34.9479, 9.2036

Background



This preview shows how black text looks on a background with the XYZ color 45.3936, 34.9479, 9.2036.



This preview shows how white text looks on a background with the XYZ color 45.3936, 34.9479,

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

45.3936, 34.9479, 9.2036

Protanopia

32.1335, 35.0876, 11.3823

Deuteranopia

35.8114, 35.0413, 8.8792



Tritanopia

48.6450, 34.9433, 25.2999

Trichromacy



Original Color

45.3936, 34.9479, 9.2036

Protanomaly

35.9403, 34.3546, 10.5312

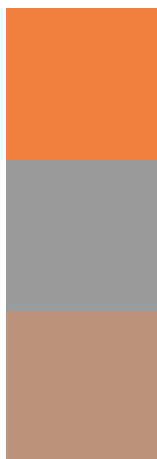
Deuteranomaly

38.8132, 34.7198, 8.9309

Tritanomaly

47.2434, 34.9409, 17.8899

Monochromacy



Original Color

45.3936, 34.9479, 9.2036

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.2853, 32.5277, 22.8838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3936, 34.9479, 9.2036 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, 129, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 129, 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, 129, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 129, 64) }
```

Border

The CSS property to change the border of an element to XYZ 45.3936, 34.9479, 9.2036 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, 129, 64) }
```


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

```
.border{ border-color:rgb(242, 129, 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, 129, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 129, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 129, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 129,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3936, 34.9479, 9.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 129, 64) }
```

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

```
.background{ background-color: rgb(242,  
129, 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](#).

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