

Converting Colors

XYZ(47.4284, 40.5336, 10.1745)

Have a look what the booklet for
XYZ(47.4284, 40.5336, 10.1745)
contains.

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Color

**XYZ(47.4284, 40.5336,
10.1745)**

Conversions

Conversions Part 1

Format	Color
Hex	EF9640
RGB	239, 150, 64
RGB Percent	94%, 59%, 25%
CMY	0.0627, 0.4117, 0.7490
CMYK	0.00, 0.37, 0.73, 0.06
HSL	29°, 85%, 59%
HSV	29°, 73%, 94%
XYZ	47.4284, 40.5336, 10.1745
YIQ	166.8070, 80.6500, -7.8780

Conversions

Conversions Part 2

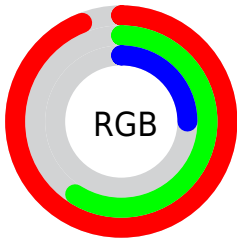
Format	Color
R_{YB}	239, 233, 64
Decimal	15701568
CIE _{Lab}	69.85, 26.55, 57.26
CIE _{LCh}	70, 63.113, 65.122
Yxy	40.5336, 0.4833, 0.4130
Android (android.graphics.Color)	4293891648 (0xFFEF9640)
YUV	166.8070, -50.6839, 63.3133
Hunter-Lab	63.6660, 21.5592, 35.0910

Details

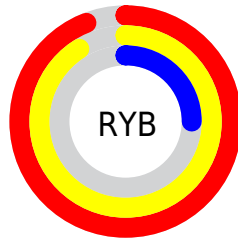
The XYZ color **47.4284, 40.5336, 10.1745** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **29.0849, 30.1029, 85.9384**, and the grayscale version is **36.8491, 38.7681, 42.2185**.

A 20% lighter version of the original color is **66.2237, 66.1836, 25.8073**, and **22.8384, 18.3952, 2.4331** is the 20% darker color. If you saturate the color by 10%, you get **45.0485, 36.6393, 6.7144**, and if you desaturate by 10%, it is **50.3025, 44.9510, 15.2365**.

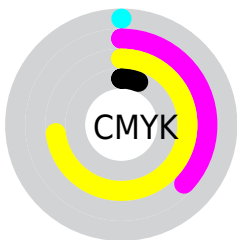
Distribution



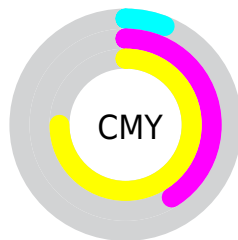
- Red (94%)
- Green (59%)
- Blue (25%)



- Red (94%)
- Yellow (91%)
- Blue (25%)



- Cyan (0%)
- Magenta (37%)
- Yellow (73%)
- Black (6%)





- Cyan (6%)
- Magenta (41%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4284, 40.5336, 10.1745 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 47.4284, 40.5336, 10.1745 by changing the saturation by 10% instead.


 47.4284, 40.5336,
10.1745


 47.4284, 40.5336,
10.1745


367.1424,
348.3675, 202.4429

 33.5838, 27.9548,
5.4077


 85.5676, 75.9754,
26.7361


 22.7354, 18.2916,
2.4255


 110.5929, 99.6072,
39.3680

 14.5179, 11.1596,
0.8003


 140.0759,
127.6921, 55.4587

 8.5658, 6.1743,
0.0000

 174.3818,
160.6146, 75.4268

 4.5139, 2.9513,
0.0000

 213.8760,
198.7589, 99.6906

 1.9968, 1.1064,
0.0000

258.9240,

 0.6322, 0.0000,

242.5096, 128.6689

0.0000

309.8910,
292.2510, 162.7802

■ 0.0000, 0.0000,
0.0000

■ 47.4284, 40.5336,
10.1745

■ 47.4284, 40.5336,
10.1745

■ 45.0485, 36.6393,
6.7144

■ 50.3025, 44.9510,
15.2365

■ 43.1138, 33.2334,
4.6405

■ 53.7070, 49.9100,
22.0746


■ 42.0113, 31.1804,
3.8042


■ 57.6771, 55.4355,
30.8420


■ 62.2436, 61.5483,
41.6750

■ 67.4349, 68.2683,
54.6972

 73.2774, 75.6138,
70.0224

 79.7956, 83.6026,
87.7565

 86.9803, 92.2385,
107.8272

 89.4064, 97.0906,
108.6359

Harmonies

Analogous

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



57.0039, 40.5336, 18.9703



47.4284, 40.5336, 10.1745



36.7928, 40.5336, 8.4035

Triad

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



47.4284, 40.5336, 10.1745



22.0382, 40.5336, 49.3684



51.0164, 40.5336, 108.2895

Complementary

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



47.4284, 40.5336, 10.1745



29.0849, 30.1029, 85.9384

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.



40.3127, 40.5336, 127.6275



47.4284, 40.5336, 10.1745



24.5468, 40.5336, 85.2339

Square

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



47.4284, 40.5336, 10.1745



23.2667, 40.5336, 24.3891



30.8137, 40.5336, 117.7191



59.3196, 40.5336, 72.4004

Rectangle

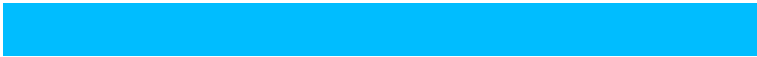
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4284, 40.5336, 10.1745



30.7484, 40.5336, 10.2126



30.8137, 40.5336, 117.7191



47.5156, 40.5336, 117.5244

Sweetspot

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



47.4293, 40.5357, 10.1752



78.8618, 80.0281, 65.2625



43.2975, 24.3647, 33.1754



16.5086, 16.6559, 13.0170



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.



47.4293, 40.5357, 10.1752



50.9899, 40.3724, 6.3741



66.5412, 78.7594, 16.5459



16.4143, 17.0417, 16.5740



23.3473, 17.4926, 2.1459



2.0416, 1.6539, 0.2116

Inverse Universe

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



29.0849, 30.1029, 85.9384



28.6851, 27.6692, 98.4366



19.6968, 11.3267, 82.8090



15.5618, 16.5577, 20.0974



12.5565, 11.3373, 46.6544



1.1442, 1.1423, 3.9144

Previews

White Background



This preview shows how the XYZ color 47.4284, 40.5336, 10.1745 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 47.4284, 40.5336, 10.1745 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 47.4284, 40.5336, 10.1745

Background



This preview shows how black text looks on a background with the XYZ color 47.4284, 40.5336, 10.1745.



This preview shows how white text looks on a background with the XYZ color 47.4284, 40.5336,

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

47.4284, 40.5336, 10.1745

Protanopia

37.1543, 40.6444, 11.6813

Deuteranopia

41.6444, 40.8168, 9.9585



Tritanopia

52.4190, 40.5172, 34.3360

Trichromacy



Original Color

47.4284, 40.5336, 10.1745

Protanomaly

40.1530, 40.0216, 11.0775

Deuteranomaly

43.5006, 40.4786, 9.9353

Tritanomaly

49.9210, 40.1557, 22.5725

Monochromacy



Original Color

47.4284, 40.5336, 10.1745

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.7665, 38.4389, 26.4953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4284, 40.5336, 10.1745 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(239, 150, 64)` looks like.

```
.text, #text, p{  
    color:rgb(239, 150, 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(239, 150, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 150, 64) }
```

Border

The CSS property to change the border of an element to XYZ 47.4284, 40.5336, 10.1745 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(239, 150, 64) }
```


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

```
.border{ border-color:rgb(239, 150, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 150, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 150, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 150, 64);  
box-shadow:4px 4px 4px 4px rgb(239, 150,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4284, 40.5336, 10.1745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 150, 64) }
```

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

```
.background{ background-color: rgb(239,  
150, 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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