

Converting Colors

XYZ(40.7074, 25.0186, 2.6836)

Have a look what the booklet for
XYZ(40.7074, 25.0186, 2.6836)
contains.

XYZ(40.7304, 25.0416, 2.6868)	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(40.7304, 25.0416,
2.6868)**

Conversions

Conversions Part 1

Format	Color
Hex	F64E00
RGB	246, 78, 0
RGB Percent	96%, 31%, 0%
CMY	0.0353, 0.6941, 1.0000
CMYK	0.00, 0.68, 1.00, 0.04
HSL	19°, 100%, 48%
HSV	19°, 100%, 96%
XYZ	40.7304, 25.0416, 2.6868
YIQ	119.3400, 125.1660, 11.3580

Conversions

Conversions Part 2

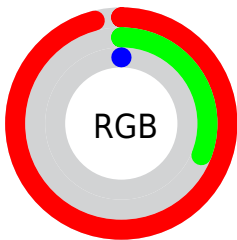
Format	Color
R_{YB}	246, 114, 0
Decimal	16141824
CIE Lab	57.12, 61.81, 67.84
CIE LCh	57, 91.770, 47.663
Yxy	25.0416, 0.5950, 0.3658
Android (android.graphics.Color)	4294331904 (0xFFFF64E00)
YUV	119.3400, -58.8346, 111.0808
Hunter-Lab	50.0416, 57.7139, 31.8457

Details

The XYZ color **40.7304, 25.0416, 2.6868** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **30.6356, 34.6562, 92.2626**, and the grayscale version is **17.7971, 18.7240, 20.3904**.

A 20% lighter version of the original color is **50.8294, 38.9581, 9.6912**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **40.7307, 25.0426, 2.6870**, and if you desaturate by 10%, it is **42.2521, 27.8115, 4.0387**.

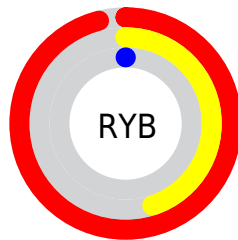
Distribution



Red (96%)

Green (31%)

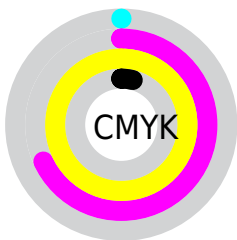
Blue (0%)



Red (96%)

Yellow (45%)

Blue (0%)

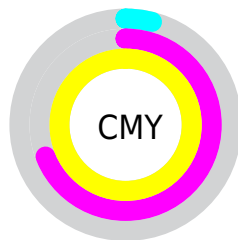


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7304, 25.0416, 2.6868 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 40.7304, 25.0416, 2.6868 by changing the saturation by 10% instead.


 40.7304, 25.0416,
2.6868


 40.7304, 25.0416,
2.6868


340.2744,
278.0451, 132.2658


 28.2952, 16.1081,
0.9368

 75.5518, 51.7247,
10.8453


 18.6899, 9.6006,
0.0000


 98.6687, 70.2430,
18.0911


 11.5491, 5.1350,
0.0000


 126.0768, 92.7251,
28.0060

 6.5075, 2.3267,
0.0000

 158.1416,
119.5553, 41.0085

 3.1996, 0.7878,
0.0000

 195.2285,
151.1180, 57.5172


 1.2602, 0.0000,
0.0000

 237.7026,


 0.1531, 0.0000,


187.7976, 77.9507


0.0000


 285.9295,
229.9785, 102.7273


 0.0000, 0.0000,
0.0000

 40.7304, 25.0416,
2.6868


 40.7304, 25.0416,
2.6868


 40.7307, 25.0426,
2.6870

 42.2521, 27.8115,
4.0387

 44.3156, 31.3185,
6.6378

 47.0077, 35.6296,
10.8437

 50.3866, 40.7965,
16.8745

 54.5027, 46.8659,
24.9137

■ 59.4009, 53.8807,
35.1222

■ 65.1227, 61.8810,
47.6445

■ 71.7059, 70.9042,
62.6122

■ 79.1863, 80.9858,
80.1473

Harmonies

Analogous

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



49.6186, 25.0416, 12.8957



40.7304, 25.0416, 2.6868



28.5260, 25.0416, 0.6170

Triad

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



40.7304, 25.0416, 2.6868



8.7196, 25.0416, 16.4192



30.6836, 25.0416, 132.4639

Complementary

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



40.7304, 25.0416, 2.6868



30.6356, 34.6562, 92.2626

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.



19.6294, 25.0416, 136.6138



40.7304, 25.0416, 2.6868



8.9781, 25.0416, 49.6176

Square

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



40.7304, 25.0416, 2.6868



11.5028, 25.0416, 3.6108



12.3647, 25.0416, 99.2168



42.7161, 25.0416, 90.2466

Rectangle

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



40.7304, 25.0416, 2.6868



21.1352, 25.0416, 0.5261



12.3647, 25.0416, 99.2168



26.6827, 25.0416, 139.0984

Sweetspot

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



40.7309, 25.0431, 2.6872



70.6252, 67.0925, 51.6110



45.0830, 22.4237, 39.0471



14.5319, 13.5477, 9.7521



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.



40.7309, 25.0431, 2.6872



44.1722, 27.1245, 2.9074



58.8691, 61.3194, 8.7332



16.9280, 17.3401, 17.2523



21.8517, 13.5889, 1.4712



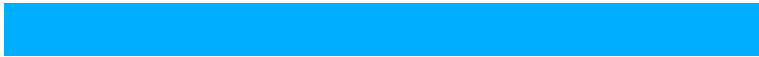
2.0091, 1.3714, 0.1588

Inverse Universe

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



30.6356, 34.6562, 92.2626



33.2126, 37.5452, 100.1042



17.5768, 8.5385, 87.9097



16.5277, 17.8197, 21.1110



16.4838, 18.7614, 49.2905



1.5409, 1.8332, 4.3629

Previews

White Background



This preview shows how the XYZ color 40.7304, 25.0416, 2.6868 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 40.7304, 25.0416, 2.6868 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 40.7304, 25.0416, 2.6868

Background



This preview shows how black text looks on a background with the XYZ color 40.7304, 25.0416, 2.6868.



This preview shows how white text looks on a background with the XYZ color 40.7304, 25.0416,

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

40.7304, 25.0416, 2.6868

Protanopia

22.7925, 25.2201, 4.6440

Deuteranopia

25.3499, 25.1168, 3.5120



Tritanopia

42.0448, 25.0610, 9.4587

Trichromacy



Original Color

40.7304, 25.0416, 2.6868

Protanomaly

27.0856, 23.2226, 3.5852

Deuteranomaly

29.6136, 23.8677, 3.0461

Tritanomaly

41.4073, 25.0197, 5.4432

Monochromacy



Original Color

40.7304, 25.0416, 2.6868

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.7719, 18.4218, 9.2457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7304, 25.0416, 2.6868 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(246, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 78, 0)  
}
```

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(246, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 78, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.7304, 25.0416, 2.6868 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(246, 78, 0) }
```


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

```
.border{ border-color:rgb(246, 78, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 78, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 78, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.7304, 25.0416, 2.6868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 78, 0) }
```

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

```
.background{ background-color: rgb(246, 78,  
0) }
```

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