

Converting Colors

XYZ(40.6152, 24.1055, 2.5122)

Have a look what the booklet for
XYZ(40.6152, 24.1055, 2.5122)
contains.

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Color

**XYZ(40.4859, 24.0304,
2.5045)**

Conversions

Conversions Part 1

Format	Color
Hex	F74500
RGB	247, 69, 0
RGB Percent	97%, 27%, 0%
CMY	0.0314, 0.7294, 1.0000
CMYK	0.00, 0.72, 1.00, 0.03
HSL	17°, 100%, 48%
HSV	17°, 100%, 97%
XYZ	40.4859, 24.0304, 2.5045
YIQ	114.3560, 128.2370, 16.2770

Conversions

Conversions Part 2

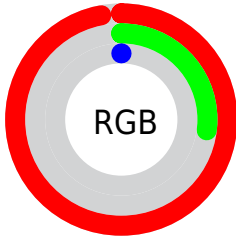
Format	Color
R_{YB}	247, 96, 0
Decimal	16205056
CIE _{Lab}	56.12, 65.35, 67.46
CIE _{LCh}	56, 93.926, 45.911
Yxy	24.0304, 0.6041, 0.3586
Android (android.graphics.Color)	4294395136 (0xFFFF74500)
YUV	114.3560, -56.3775, 116.3288
Hunter-Lab	49.0208, 61.6353, 31.2854

Details

The XYZ color **40.4859, 24.0304, 2.5045** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **32.7068, 38.5522, 93.7125**, and the grayscale version is **16.2403, 17.0861, 18.6068**.

A 20% lighter version of the original color is **49.8564, 37.0572, 9.2277**, and **19.0561, 9.8238, 0.8918** is the 20% darker color. If you saturate the color by 10%, you get **40.4862, 24.0315, 2.5047**, and if you desaturate by 10%, it is **41.9227, 26.6289, 3.8334**.

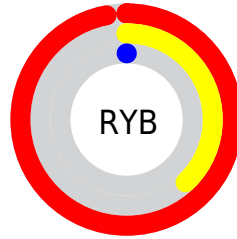
Distribution



Red (97%)

Green (27%)

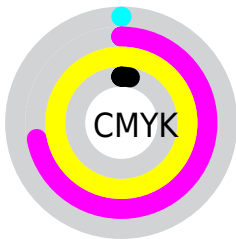
Blue (0%)



Red (97%)

Yellow (38%)

Blue (0%)

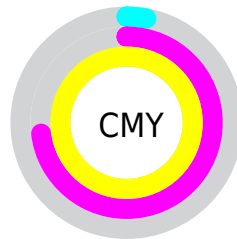


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4859, 24.0304, 2.5045 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 40.4859, 24.0304, 2.5045 by changing the saturation by 10% instead.

 40.4859, 24.0304,
2.5045


 40.4859, 24.0304,
2.5045

339.2667,
272.9741, 129.7754


 28.1035, 15.3562,
0.8425

 75.1825, 50.0798,
10.3791


 18.5445, 9.0697,
0.0000


 98.2274, 68.2238,
17.4339


 11.4437, 4.7867,
0.0000


 125.5572, 90.2931,
27.1251

 6.4356, 2.1227,
0.0000

 157.5372,
116.6722, 39.8711

 3.1549, 0.6773,
0.0000

 194.5328,
147.7455, 56.0907


 1.2362, 0.0000,
0.0000


 236.9094,


 0.1347, 0.0000,


183.8973, 76.2022


0.0000


 285.0322,
225.5120, 100.6242


 0.0000, 0.0000,
0.0000


 40.4859, 24.0304,
2.5045


 40.4859, 24.0304,
2.5045


 40.4862, 24.0315,
2.5047

 41.9227, 26.6289,
3.8334

 43.9324, 30.0232,
6.4302

 46.6069, 34.2897,
10.6590

 50.0088, 39.4883,
16.7415

 54.1924, 45.6730,
24.8641

■ 59.2063, 52.8934,
35.1904

■ 65.0950, 61.1955,
47.8672

■ 71.8996, 70.6225,
63.0284

■ 79.6585, 81.2153,
80.7981

Harmonies

Analogous

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



49.0966, 24.0304, 13.0438



40.4859, 24.0304, 2.5045



28.2598, 24.0304, 0.3954

Triad

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



40.4859, 24.0304, 2.5045



8.0694, 24.0304, 14.2226



28.9991, 24.0304, 134.6412

Complementary

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



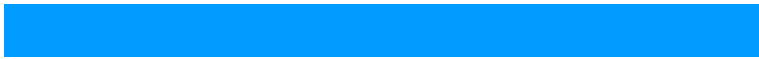
40.4859, 24.0304, 2.5045



32.7068, 38.5522, 93.7125

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.



18.1619, 24.0304, 136.1009



40.4859, 24.0304, 2.5045



8.1548, 24.0304, 46.0185

Square

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



40.4859, 24.0304, 2.5045



10.9634, 24.0304, 2.7940



11.2512, 24.0304, 96.0391



41.1715, 24.0304, 92.9016

Rectangle

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



40.4859, 24.0304, 2.5045



20.7737, 24.0304, 0.2328



11.2512, 24.0304, 96.0391



25.0393, 24.0304, 140.5569

Sweetspot

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



40.4864, 24.0319, 2.5049



69.9512, 65.7445, 51.3863



46.7117, 23.1158, 45.7879



14.3754, 13.2347, 9.7000



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.



40.4864, 24.0319, 2.5049



43.5089, 25.7978, 2.6863



56.6341, 56.3273, 7.8874



16.8760, 17.2362, 17.2350



21.5146, 12.9147, 1.3588



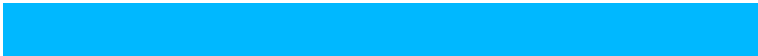
1.9740, 1.3013, 0.1471

Inverse Universe

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



32.7068, 38.5522, 93.7125



35.1395, 41.3990, 100.7465



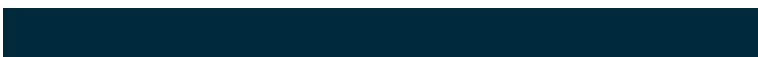
18.2832, 9.7049, 88.9046



16.5825, 17.9293, 21.1293



17.4234, 20.6407, 49.6038



1.6177, 1.9868, 4.3885

Previews

White Background



This preview shows how the XYZ color 40.4859, 24.0304, 2.5045 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 40.4859, 24.0304, 2.5045 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 40.4859, 24.0304, 2.5045

Background



This preview shows how black text looks on a background with the XYZ color 40.4859, 24.0304, 2.5045.



This preview shows how white text looks on a background with the XYZ color 40.4859, 24.0304,

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

40.4859, 24.0304, 2.5045

Protanopia

21.8225, 24.0872, 4.5977

Deuteranopia

24.2967, 23.9844, 3.3489



Tritanopia

41.5579, 24.0285, 7.7578

Trichromacy



Original Color

40.4859, 24.0304, 2.5045

Protanomaly

26.2871, 21.9773, 3.4288

Deuteranomaly

28.5464, 22.5212, 2.8425

Tritanomaly

41.0957, 24.0273, 4.7573

Monochromacy



Original Color

40.4859, 24.0304, 2.5045

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

20.4706, 16.8978, 8.4860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4859, 24.0304, 2.5045 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(247, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 69, 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(247, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 69, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.4859, 24.0304, 2.5045 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(247, 69, 0) }
```


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

```
.border{ border-color:rgb(247, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 69, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.4859, 24.0304, 2.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 69, 0) }
```

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

```
.background{ background-color: rgb(247, 69,  
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](#).

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