

Converting Colors

XYZ(40.7526, 24.3804, 2.5580)

Have a look what the booklet for
XYZ(40.7526, 24.3804, 2.5580)
contains.

XYZ(40.6110, 24.2806, 2.5462)	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(40.6110, 24.2806,
2.5462)**

Conversions

Conversions Part 1

Format	Color
Hex	F74700
RGB	247, 71, 0
RGB Percent	97%, 28%, 0%
CMY	0.0314, 0.7215, 1.0000
CMYK	0.00, 0.71, 1.00, 0.03
HSL	17°, 100%, 48%
HSV	17°, 100%, 97%
XYZ	40.6110, 24.2806, 2.5462
YIQ	115.5300, 127.6870, 15.2310

Conversions

Conversions Part 2

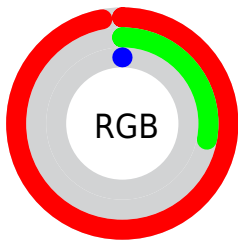
Format	Color
R_{YB}	247, 100, 0
Decimal	16205568
CIE _{Lab}	56.37, 64.66, 67.58
CIE _{LCh}	56, 93.532, 46.263
Yxy	24.2806, 0.6022, 0.3600
Android (android.graphics.Color)	4294395648 (0xFFFF74700)
YUV	115.5300, -56.9563, 115.2992
Hunter-Lab	49.2753, 60.8815, 31.4291

Details

The XYZ color **40.6110, 24.2806, 2.5462** 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 **32.3119, 37.7624, 93.5808**, and the grayscale version is **16.5995, 17.4639, 19.0182**.

A 20% lighter version of the original color is **49.9875, 37.3194, 9.2714**, and **19.0561, 9.8238, 0.8918** is the 20% darker color. If you saturate the color by 10%, you get **40.6113, 24.2817, 2.5464**, and if you desaturate by 10%, it is **42.0699, 26.9232, 3.8824**.

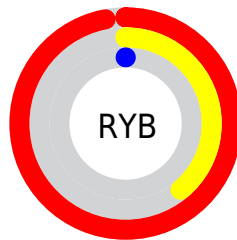
Distribution



Red (97%)

Green (28%)

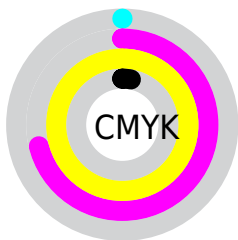
Blue (0%)



Red (97%)

Yellow (39%)

Blue (0%)

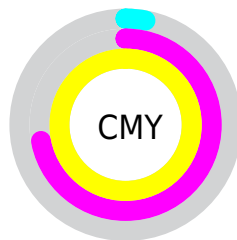


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6110, 24.2806, 2.5462 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 40.6110, 24.2806, 2.5462 by changing the saturation by 10% instead.

 40.6110, 24.2806,
2.5462

 40.6110, 24.2806,
2.5462

339.7826,
274.2360, 130.3526


 28.2016, 15.5419,
0.8645


 75.3715, 50.4877,
10.4865

 18.6189, 9.2006,
0.0000


 98.4532, 68.7249,
17.5855

 11.4976, 4.8722,
0.0000


 125.8232, 90.8971,
27.3286

 6.4723, 2.1725,
0.0000

 157.8466,
117.3886, 40.1342

 3.1777, 0.7049,
0.0000

 194.8889,
148.5838, 56.4208


 1.2484, 0.0000,
0.0000

 237.3154,


 0.1441, 0.0000,


184.8672, 76.6071


0.0000


 285.4915,
226.6232, 101.1115


 0.0000, 0.0000,
0.0000


 40.6110, 24.2806,
2.5462


 40.6110, 24.2806,
2.5462


 40.6113, 24.2817,
2.5464

 42.0699, 26.9232,
3.8824

 44.0961, 30.3507,
6.4848

 46.7808, 34.6374,
10.7170

 50.1854, 39.8415,
16.8004

 54.3636, 46.0155,
24.9212

■ 59.3634, 53.2075,
35.2428

■ 65.2284, 61.4623,
47.9117

■ 71.9993, 70.8220,
63.0618

■ 79.7139, 81.3261,
80.8167

Harmonies

Analogous

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



49.2941, 24.2806, 13.0380



40.6110, 24.2806, 2.5462



28.3670, 24.2806, 0.4425

Triad

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



40.6110, 24.2806, 2.5462



8.2155, 24.2806, 14.6833



29.3936, 24.2806, 134.4385

Complementary

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



40.6110, 24.2806, 2.5462



32.3119, 37.7624, 93.5808

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.



18.4910, 24.2806, 136.4548



40.6110, 24.2806, 2.5462



8.3351, 24.2806, 46.8277

Square

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



40.6110, 24.2806, 2.5462



11.0935, 24.2806, 2.9559



11.4954, 24.2806, 96.8618



41.5617, 24.2806, 92.5230

Rectangle

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



40.6110, 24.2806, 2.5462



20.8865, 24.2806, 0.2945



11.4954, 24.2806, 96.8618



25.4177, 24.2806, 140.5135

Sweetspot

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



40.6115, 24.2821, 2.5466



70.0948, 66.0317, 51.4342



46.2950, 22.9491, 43.5936



14.4087, 13.3013, 9.7111



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.



40.6115, 24.2821, 2.5466



43.6429, 26.0659, 2.7310



57.5345, 58.1281, 8.1876



16.8871, 17.2584, 17.2387



21.5829, 13.0514, 1.3816



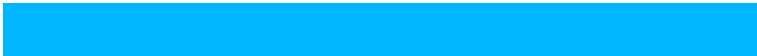
1.9813, 1.3158, 0.1495

Inverse Universe

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



32.3119, 37.7624, 93.5808



34.7146, 40.5492, 100.6049



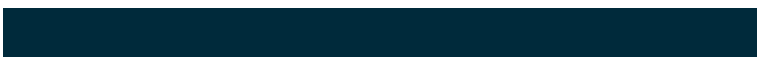
18.0853, 9.3092, 88.8386



16.5707, 17.9057, 21.1253



17.2164, 20.2265, 49.5347



1.6009, 1.9531, 4.3829

Previews

White Background



This preview shows how the XYZ color 40.6110, 24.2806, 2.5462 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 40.6110, 24.2806, 2.5462 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 40.6110, 24.2806, 2.5462

Background



This preview shows how black text looks on a background with the XYZ color 40.6110, 24.2806, 2.5462.



This preview shows how white text looks on a background with the XYZ color 40.6110, 24.2806,

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

40.6110, 24.2806, 2.5462

Protanopia

22.1389, 24.4598, 4.5913

Deuteranopia

24.6448, 24.3584, 3.4027



Tritanopia

41.7338, 24.2826, 8.1176

Trichromacy



Original Color

40.6110, 24.2806, 2.5462

Protanomaly

26.3889, 22.1936, 3.4233

Deuteranomaly

28.9158, 22.8672, 2.8898

Tritanomaly

41.2331, 24.2726, 4.8947

Monochromacy



Original Color

40.6110, 24.2806, 2.5462

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

21.1030, 17.5013, 8.7444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6110, 24.2806, 2.5462 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, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 71, 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, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 71, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.6110, 24.2806, 2.5462 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, 71, 0) }
```


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

```
.border{ border-color:rgb(247, 71, 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, 71, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 71, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.6110, 24.2806, 2.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 71, 0) }
```

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

```
.background{ background-color: rgb(247, 71,  
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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