

Converting Colors

XYZ(40.8076, 24.4333, 3.3553)

Have a look what the booklet for
XYZ(40.8076, 24.4333, 3.3553)
contains.

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Color

**XYZ(40.8298, 24.4707,
3.3820)**

Conversions

Conversions Part 1

Format	Color
Hex	F74817
RGB	247, 72, 23
RGB Percent	97%, 28%, 9%
CMY	0.0314, 0.7176, 0.9098
CMYK	0.00, 0.71, 0.91, 0.03
HSL	13°, 93%, 53%
HSV	13°, 91%, 97%
XYZ	40.8298, 24.4707, 3.3820
YIQ	118.7390, 120.0290, 21.8610

Conversions

Conversions Part 2

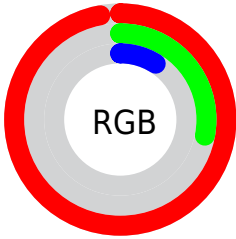
Format	Color
R_{YB}	247, 86, 23
Decimal	16205847
CIE Lab	56.56, 64.53, 62.23
CIE LCh	57, 89.643, 43.961
Yxy	24.4707, 0.5945, 0.3563
Android (android.graphics.Color)	4294395927 (0xFFFF74817)
YUV	118.7390, -47.1993, 112.4849
Hunter-Lab	49.4679, 60.7616, 30.5740

Details

The XYZ color **40.8298, 24.4707, 3.3820** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **37.3336, 47.2812, 95.1536**, and the grayscale version is **17.5714, 18.4865, 20.1318**.

A 20% lighter version of the original color is **50.4926, 37.7333, 11.2786**, and **19.0561, 9.8238, 0.8918** is the 20% darker color. If you saturate the color by 10%, you get **39.6786, 22.4163, 2.2355**, and if you desaturate by 10%, it is **42.6523, 27.5199, 5.8281**.

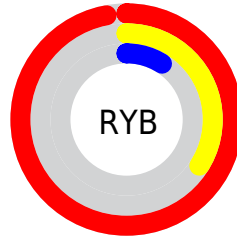
Distribution



Red (97%)

Green (28%)

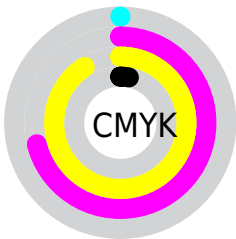
Blue (9%)



Red (97%)

Yellow (34%)

Blue (9%)

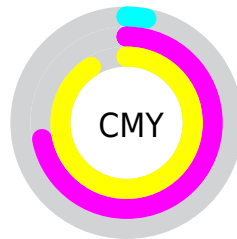


Cyan (0%)

Magenta (71%)

Yellow (91%)

Black (3%)



Cyan (3%)


Magenta (72%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8298, 24.4707, 3.3820 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 40.8298, 24.4707, 3.3820 by changing the saturation by 10% instead.

 40.8298, 24.4707,
3.3820


 40.8298, 24.4707,
3.3820


340.6835,
275.1916, 141.0864


 28.3732, 15.6832,
1.2928


 75.7018, 50.7972,
12.5573


 18.7491, 9.3002,
0.0559


 98.8479, 69.1050,
20.4806


 11.5920, 4.9375,
0.0000


 126.2879, 91.3550,
31.1856

 6.5367, 2.2106,
0.0000

 158.3871,
117.9315, 45.0910

 3.2178, 0.7258,
0.0000

 195.5109,
149.2191, 62.6152


 1.2700, 0.0000,
0.0000

 238.0247,


 0.1606, 0.0000,


185.6020, 84.1768


0.0000


 286.2938,
227.4647, 110.1944


 0.0000, 0.0000,
0.0000


 40.8298, 24.4707,
3.3820


 40.8298, 24.4707,
3.3820


 39.6786, 22.4163,
2.2355

 42.6523, 27.5199,
5.8281

 45.1816, 31.5297,
9.9045

 48.4892, 36.5774,
15.8389

 52.6364, 42.7309,
23.8219

 57.6784, 50.0518,
34.0205

63.6651, 58.5972,
46.5842

70.6429, 68.4205,
61.6495

78.6549, 79.5717,
79.3424

87.7416, 92.0981,
99.7805

Harmonies

Analogous

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



48.5680, 24.4707, 15.0764



40.8298, 24.4707, 3.3820



29.2337, 24.4707, 0.7940

Triad

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



40.8298, 24.4707, 3.3820



8.8458, 24.4707, 13.7452



28.4255, 24.4707, 129.8501

Complementary

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



40.8298, 24.4707, 3.3820



37.3336, 47.2812, 95.1536

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.



18.1589, 24.4707, 128.3111



40.8298, 24.4707, 3.3820



8.7476, 24.4707, 42.9910

Square

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



40.8298, 24.4707, 3.3820



11.9542, 24.4707, 3.0245



11.6282, 24.4707, 89.4651



40.0881, 24.4707, 92.7987

Rectangle

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



40.8298, 24.4707, 3.3820



21.9042, 24.4707, 0.5650



11.6282, 24.4707, 89.4651



24.6679, 24.4707, 134.3721

Sweetspot

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



40.8303, 24.4722, 3.3824



71.0555, 66.6847, 55.6644



48.9109, 24.4857, 55.8571



14.6840, 13.5315, 10.7906



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.



40.8303, 24.4722, 3.3824



42.6441, 24.0683, 2.3980



55.5559, 53.9234, 8.2909



16.7931, 17.0703, 17.2074



21.0697, 12.0251, 1.2106



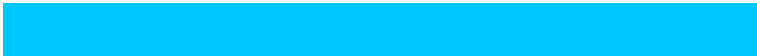
1.9247, 1.2027, 0.1307

Inverse Universe

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



37.3336, 47.2812, 95.1536



38.5212, 48.1624, 101.8737



20.5071, 13.6282, 89.5447



16.6711, 18.1065, 21.1588



19.0688, 23.9314, 50.1522



1.7503, 2.2519, 4.4327

Previews

White Background



This preview shows how the XYZ color 40.8298, 24.4707, 3.3820 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 40.8298, 24.4707, 3.3820 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 40.8298, 24.4707, 3.3820

Background



This preview shows how black text looks on a background with the XYZ color 40.8298, 24.4707, 3.3820.



This preview shows how white text looks on a background with the XYZ color 40.8298, 24.4707,

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

40.8298, 24.4707, 3.3820

Protanopia

22.3072, 24.5271, 5.4779

Deuteranopia

24.8635, 24.4712, 3.4130



Tritanopia

41.8840, 24.5329, 8.3221

Trichromacy



Original Color

40.8298, 24.4707, 3.3820

Protanomaly

26.6732, 22.4849, 4.3730

Deuteranomaly

28.9596, 22.8848, 3.1206

Tritanomaly

41.4821, 24.4697, 5.9049

Monochromacy



Original Color

40.8298, 24.4707, 3.3820

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

22.0775, 18.2498, 10.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8298, 24.4707, 3.3820 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, 72, 23)` looks like.

```
.text, #text, p{  
    color:rgb(247, 72, 23)  
}
```

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, 72, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 72, 23) }
```

Border

The CSS property to change the border of an element to XYZ 40.8298, 24.4707, 3.3820 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, 72, 23) }
```


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

```
.border{ border-color:rgb(247, 72, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 72, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 72, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 72, 23);  
box-shadow:4px 4px 4px 4px rgb(247, 72,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8298, 24.4707, 3.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 72, 23) }
```

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

```
.background{ background-color: rgb(247, 72,  
23) }
```

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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