

Converting Colors

XYZ(42.9004, 32.4794, 9.7274)

Have a look what the booklet for
XYZ(42.9004, 32.4794, 9.7274)
contains.

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Color

**XYZ(42.7805, 32.4410,
9.8013)**

Conversions

Conversions Part 1

Format	Color
Hex	EC7B46
RGB	236, 123, 70
RGB Percent	93%, 48%, 27%
CMY	0.0745, 0.5176, 0.7255
CMYK	0.00, 0.48, 0.70, 0.07
HSL	19°, 81%, 60%
HSV	19°, 70%, 93%
XYZ	42.7805, 32.4410, 9.8013
YIQ	150.7450, 84.3610, 7.4730

Conversions

Conversions Part 2

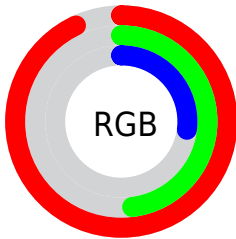
Format	Color
R _Y B	236, 148, 70
Decimal	15498054
CIE Lab	63.71, 39.62, 47.79
CIE LCh	64, 62.080, 50.337
Yxy	32.4410, 0.5032, 0.3816
Android (android.graphics.Color)	4293688134 (0xFFEC7B46)
YUV	150.7450, -39.8073, 74.7686
Hunter-Lab	56.9570, 34.3969, 29.6671

Details

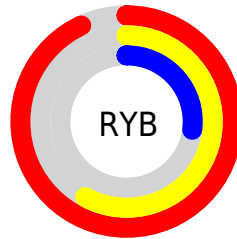
The XYZ color **42.7805, 32.4410, 9.8013** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **34.5982, 41.2224, 85.4895**, and the grayscale version is **29.4469, 30.9804, 33.7376**.

A 20% lighter version of the original color is **60.3523, 54.0603, 25.0231**, and **19.8442, 13.5593, 2.2808** is the 20% darker color. If you saturate the color by 10%, you get **40.3447, 28.5368, 6.0082**, and if you desaturate by 10%, it is **45.8373, 37.1197, 15.2451**.

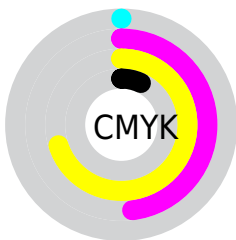
Distribution



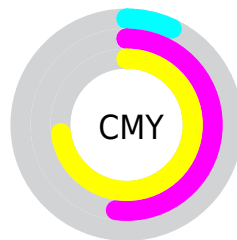
- Red (93%)
- Green (48%)
- Blue (27%)



- Red (93%)
- Yellow (58%)
- Blue (27%)



- Cyan (0%)
- Magenta (48%)
- Yellow (70%)
- Black (7%)





- Cyan (7%)
- Magenta (52%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7805, 32.4410, 9.8013 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 42.7805, 32.4410, 9.8013 by changing the saturation by 10% instead.


 42.7805, 32.4410,
9.8013


 42.7805, 32.4410,
9.8013


348.6451,
313.1233, 199.6810


 29.9067, 21.6986,
5.1635


 78.6373, 63.5018,
26.0230


 19.9155, 13.6356,
2.2831


 102.3510, 84.5890,
38.4441


 12.4415, 7.8676,
0.7217

 130.4088,
109.8931, 54.2966

 7.1195, 4.0104,
0.0000

 163.1759,
139.7987, 73.9993

 3.5839, 1.6794,
0.0000

 201.0177,
174.6902, 97.9705

 1.4696, 0.4102,
0.0000

244.2996,

 0.3050, 0.0000,

214.9518, 126.6288

0.0000

293.3870,
260.9680, 160.3928

■ 0.0000, 0.0000,
0.0000

■ 42.7805, 32.4410,
9.8013

■ 42.7805, 32.4410,
9.8013

■ 40.3447, 28.5368,
6.0082

■ 45.8373, 37.1197,
15.2451

■ 38.4753, 25.3554,
3.6664


■ 49.5585, 42.6097,
22.5043

■ 37.1323, 22.9137,
2.4657


■ 53.9854, 48.9512,
31.7251


■ 59.1553, 56.1803,
43.0383

■ 65.1025, 64.3305,
56.5634

 71.8591, 73.4338,
72.4106

 79.4553, 83.5206,
90.6830

 87.3016, 94.3724,
108.2221

 88.4018, 96.5727,
108.5889

Harmonies

Analogous

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



49.3126, 32.4410, 21.1610



42.7805, 32.4410, 9.8013



33.7257, 32.4410, 6.0277

Triad

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



42.7805, 32.4410, 9.8013



17.1174, 32.4410, 27.8816



37.0158, 32.4410, 101.9062

Complementary

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



42.7805, 32.4410, 9.8013



34.5982, 41.2224, 85.4895

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.



28.1129, 32.4410, 106.6490



42.7805, 32.4410, 9.8013



17.6668, 32.4410, 54.7085

Square

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



42.7805, 32.4410, 9.8013



19.6737, 32.4410, 12.7317



21.3488, 32.4410, 86.4746



45.5744, 32.4410, 75.5331

Rectangle

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



42.7805, 32.4410, 9.8013



27.9311, 32.4410, 6.0579



21.3488, 32.4410, 86.4746



33.9318, 32.4410, 106.4448

Sweetspot

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



42.7812, 32.4427, 9.8019



77.0498, 75.9265, 66.1306



45.3745, 25.6502, 47.5960



16.0549, 15.6557, 13.1517



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.



42.7812, 32.4427, 9.8019



47.1265, 32.3982, 5.8492



57.6644, 62.2090, 14.7629



15.4581, 15.8391, 15.7613



20.5714, 12.8370, 1.3936



1.6993, 1.1759, 0.1374

Inverse Universe

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



34.5982, 41.2224, 85.4895



36.6425, 43.0594, 100.9878



22.2651, 16.5561, 81.3784



15.0886, 16.2637, 19.2662



15.4581, 17.5632, 46.3183



1.2999, 1.5513, 3.6658

Previews

White Background



This preview shows how the XYZ color 42.7805, 32.4410, 9.8013 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 42.7805, 32.4410, 9.8013 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 42.7805, 32.4410, 9.8013

Background



This preview shows how black text looks on a background with the XYZ color 42.7805, 32.4410, 9.8013.



This preview shows how white text looks on a background with the XYZ color 42.7805, 32.4410,

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

42.7805, 32.4410, 9.8013

Protanopia

29.9639, 32.6798, 12.3180

Deuteranopia

33.0974, 32.4441, 9.3684



Tritanopia

45.6596, 32.5540, 23.2791

Trichromacy



Original Color

42.7805, 32.4410, 9.8013

Protanomaly

33.6326, 31.7688, 11.1968

Deuteranomaly

36.0843, 31.9802, 9.4252

Tritanomaly

44.4065, 32.3907, 17.2762

Monochromacy



Original Color

42.7805, 32.4410, 9.8013

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.3291, 30.4000, 22.5762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7805, 32.4410, 9.8013 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(236, 123, 70)` looks like.

```
.text, #text, p{  
    color:rgb(236, 123, 70)  
}
```

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(236, 123, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 123, 70) }
```

Border

The CSS property to change the border of an element to XYZ 42.7805, 32.4410, 9.8013 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(236, 123, 70) }
```


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

```
.border{ border-color:rgb(236, 123, 70) }
```

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

Here you see how a box with a 4 pixel rgb(236, 123, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 123, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 123, 70);  
box-shadow:4px 4px 4px 4px rgb(236, 123,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7805, 32.4410, 9.8013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 123, 70) }
```

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

```
.background{ background-color: rgb(236,  
123, 70) }
```

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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