

Converting Colors

XYZ(42.8043, 32.7660, 4.0684)

Have a look what the booklet for
XYZ(42.8043, 32.7660, 4.0684)
contains.

XYZ(42.8043, 32.7660, 4.0684)	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(42.8043, 32.7660,
4.0684)**

Conversions

Conversions Part 1

Format	Color
Hex	EF7C00
RGB	239, 124, 0
RGB Percent	94%, 49%, 0%
CMY	0.0627, 0.5137, 1.0000
CMYK	0.00, 0.48, 1.00, 0.06
HSL	31°, 100%, 47%
HSV	31°, 100%, 94%
XYZ	42.8043, 32.7660, 4.0684
YIQ	144.2490, 108.3440, -14.1840

Conversions

Conversions Part 2

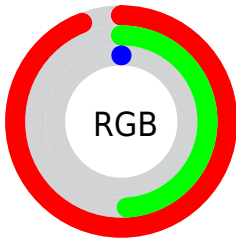
Format	Color
R_{YB}	222, 239, 0
Decimal	15694848
CIE Lab	63.97, 38.55, 71.02
CIE LCh	64, 80.807, 61.505
Yxy	32.7660, 0.5375, 0.4114
Android (android.graphics.Color)	4293884928 (0xFFEF7C00)
YUV	144.2490, -71.1148, 83.0966
Hunter-Lab	57.2416, 33.3065, 35.8551

Details

The XYZ color **42.8043, 32.7660, 4.0684** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **21.7107, 18.4934, 84.0862**, and the grayscale version is **26.8585, 28.2572, 30.7721**.

A 20% lighter version of the original color is **58.2977, 53.5557, 13.2259**, and **20.2870, 13.9952, 1.6321** is the 20% darker color. If you saturate the color by 10%, you get **42.8045, 32.7668, 4.0686**, and if you desaturate by 10%, it is **44.4952, 35.8859, 5.4407**.

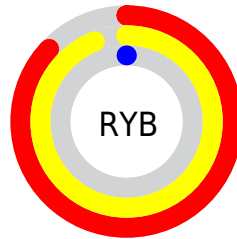
Distribution



Red (94%)

Green (49%)

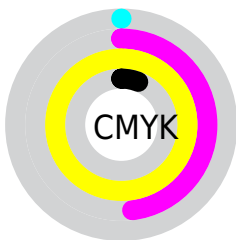
Blue (0%)



Red (87%)

Yellow (94%)

Blue (0%)

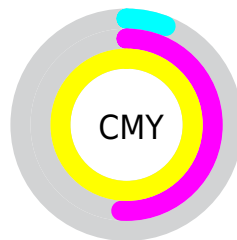


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8043, 32.7660, 4.0684 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 42.8043, 32.7660, 4.0684 by changing the saturation by 10% instead.


 42.8043, 32.7660,
4.0684


 42.8043, 32.7660,
4.0684


348.7415,
314.5940, 148.9826

 29.9255, 21.9472,
1.6629


 78.6730, 64.0100,
14.1672


 19.9298, 13.8181,
0.3352


 102.3936, 85.2041,
22.6976

 12.4520, 7.9943,
0.0000


 130.4588,
110.6254, 34.1068

 7.1267, 4.0913,
0.0000

 163.2340,
140.6583, 48.8132

 3.5885, 1.7248,
0.0000

 201.0845,
175.6872, 67.2355


 1.4721, 0.4396,
0.0000

 244.3756,


 0.3067, 0.0000,


216.0965, 89.7921


0.0000


 293.4729,
262.2707, 116.9017


 0.0000, 0.0000,
0.0000


 42.8043, 32.7660,
4.0684


 42.8043, 32.7660,
4.0684


 42.8045, 32.7668,
4.0686

 44.4952, 35.8859,
5.4407

 46.5607, 39.4319,
7.9326

 49.0699, 43.4414,
11.8798

 52.0655, 47.9395,
17.4809

 55.5835, 52.9483,
24.9034

■ 59.6563, 58.4882,
34.2938

■ 64.3128, 64.5779,
45.7835

■ 69.5801, 71.2351,
59.4923

■ 75.4829, 78.4764,
75.5313

Harmonies

Analogous

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



53.7977, 32.7660, 11.9115



42.8043, 32.7660, 4.0684



30.5713, 32.7660, 2.5341

Triad

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



42.8043, 32.7660, 4.0684



13.9785, 32.7660, 37.3500



44.0481, 32.7660, 120.3297

Complementary

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



42.8043, 32.7660, 4.0684



21.7107, 18.4934, 84.0862

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.



31.7220, 32.7660, 142.2916



42.8043, 32.7660, 4.0684



15.9531, 32.7660, 79.5200

Square

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



42.8043, 32.7660, 4.0684



15.5876, 32.7660, 13.3386



21.8191, 32.7660, 124.0740



54.6303, 32.7660, 74.7486

Rectangle

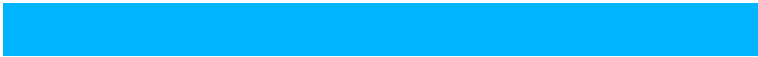
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.8043, 32.7660, 4.0684



23.7842, 32.7660, 3.3548



21.8191, 32.7660, 124.0740



39.8820, 32.7660, 131.6411

Sweetspot

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



42.8050, 32.7678, 4.0690



74.4473, 74.7367, 52.8850



38.7210, 19.6006, 18.1196



15.4288, 15.3415, 10.0511



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.



42.8050, 32.7678, 4.0690



49.5328, 37.8455, 4.6943



65.1327, 79.3976, 11.8926



16.4513, 17.1156, 16.5863



23.7871, 18.3723, 2.2925



2.0785, 1.7276, 0.2239

Inverse Universe

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



21.7107, 18.4934, 84.0862



25.0951, 21.3102, 97.3984



15.6299, 6.2579, 82.0450



15.5248, 16.4838, 20.0851



12.1275, 10.4793, 46.5114



1.1080, 1.0700, 3.9024

Previews

White Background



This preview shows how the XYZ color 42.8043, 32.7660, 4.0684 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 42.8043, 32.7660, 4.0684 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 42.8043, 32.7660, 4.0684

Background



This preview shows how black text looks on a background with the XYZ color 42.8043, 32.7660, 4.0684.



This preview shows how white text looks on a background with the XYZ color 42.8043, 32.7660,

4.0684.

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

42.8043, 32.7660, 4.0684

Protanopia

29.6939, 32.9414, 5.4551

Deuteranopia

33.3549, 32.9156, 4.5954



Tritanopia

46.6680, 32.7462, 22.5999

Trichromacy



Original Color

42.8043, 32.7660, 4.0684

Protanomaly

33.3346, 31.9813, 4.7969

Deuteranomaly

36.3840, 32.4623, 4.3482

Tritanomaly

44.4715, 32.3842, 11.1146

Monochromacy



Original Color

42.8043, 32.7660, 4.0684

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

29.4678, 28.2477, 14.0244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8043, 32.7660, 4.0684 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(239, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(239, 124, 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(239, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.8043, 32.7660, 4.0684 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(239, 124, 0) }
```


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

```
.border{ border-color:rgb(239, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(239, 124,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8043, 32.7660, 4.0684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 124, 0) }
```

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

```
.background{ background-color: rgb(239,  
124, 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