

Converting Colors

XYZ(41.7909, 32.2303, 4.0184)

Have a look what the booklet for
XYZ(41.7909, 32.2303, 4.0184)
contains.

XYZ(41.7997, 32.2482, 4.0214)	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>	30

Color

**XYZ(41.7997, 32.2482,
4.0214)**

Conversions

Conversions Part 1

Format	Color
Hex	EC7C00
RGB	236, 124, 0
RGB Percent	93%, 49%, 0%
CMY	0.0745, 0.5137, 1.0000
CMYK	0.00, 0.47, 1.00, 0.07
HSL	32°, 100%, 46%
HSV	32°, 100%, 93%
XYZ	41.7997, 32.2482, 4.0214
YIQ	143.3520, 106.5560, -14.8200

Conversions

Conversions Part 2

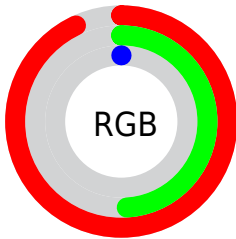
Format	Color
R _Y B	213, 236, 0
Decimal	15498240
CIE Lab	63.55, 37.35, 70.55
CIE LCh	64, 79.826, 62.099
Yxy	32.2482, 0.5354, 0.4131
Android (android.graphics.Color)	4293688320 (0xFFEC7C00)
YUV	143.3520, -70.6725, 81.2523
Hunter-Lab	56.7875, 32.0108, 35.5526

Details

The XYZ color **41.7997, 32.2482, 4.0214** 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 **20.9343, 17.6442, 81.6584**, and the grayscale version is **26.4948, 27.8746, 30.3555**.

A 20% lighter version of the original color is **58.2977, 53.5557, 13.2259**, and **19.6161, 13.6493, 1.6007** is the 20% darker color. If you saturate the color by 10%, you get **41.7999, 32.2490, 4.0216**, and if you desaturate by 10%, it is **43.4455, 35.2829, 5.3633**.

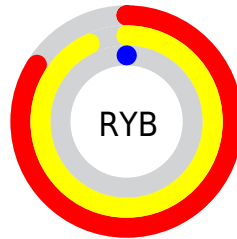
Distribution



Red (93%)

Green (49%)

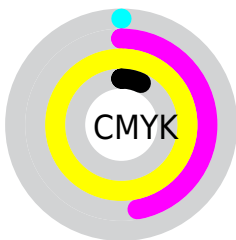
Blue (0%)



Red (84%)

Yellow (93%)

Blue (0%)

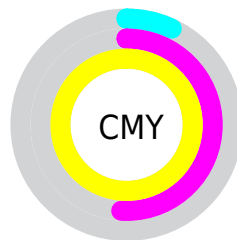


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7997, 32.2482, 4.0214 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 41.7997, 32.2482, 4.0214 by changing the saturation by 10% instead.


 41.7997, 32.2482,
4.0214


 41.7997, 32.2482,
4.0214


344.6577,
312.2483, 148.4629


 29.1349, 21.5511,
1.6371


 77.1635, 63.2000,
14.0591

 19.3277, 13.5275,
0.3171


 100.5931, 84.2235,
22.5495

 12.0127, 7.7928,
0.0000


 128.3418,
109.4580, 33.9125

 6.8246, 3.9626,
0.0000

 160.7748,
139.2878, 48.5664

 3.3980, 1.6527,
0.0000

 198.2576,
174.0973, 66.9299


 1.3676, 0.3927,
0.0000

 241.1554,


 0.2329, 0.0000,


214.2710, 89.4214


0.0000


 289.8337,
260.1932, 116.4596


 0.0000, 0.0000,
0.0000

 41.7997, 32.2482,
4.0214


 41.7997, 32.2482,
4.0214


 41.7999, 32.2490,
4.0216

 43.4455, 35.2829,
5.3633

 45.4507, 38.7230,
7.7901

 47.8827, 42.6047,
11.6287

 50.7823, 46.9519,
17.0718

 54.1845, 51.7855,
24.2815

■ 58.1202, 57.1248,
33.3997

■ 62.6176, 62.9878,
44.5537

■ 67.7025, 69.3912,
57.8598

■ 73.3988, 76.3508,
73.4253

Harmonies

Analogous

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



52.5980, 32.2482, 11.5711



41.7997, 32.2482, 4.0214



29.8736, 32.2482, 2.5711

Triad

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



41.7997, 32.2482, 4.0214



13.8489, 32.2482, 37.4062



43.4919, 32.2482, 116.8678

Complementary

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



41.7997, 32.2482, 4.0214



20.9343, 17.6442, 81.6584

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.



31.4416, 32.2482, 138.9274



41.7997, 32.2482, 4.0214



15.8573, 32.2482, 78.8064

Square

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



41.7997, 32.2482, 4.0214



15.3574, 32.2482, 13.5274



21.6849, 32.2482, 121.9447



53.7297, 32.2482, 72.3263

Rectangle

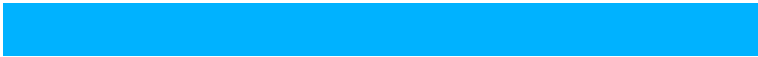
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.7997, 32.2482, 4.0214



23.2821, 32.2482, 3.4340



21.6849, 32.2482, 121.9447



39.4306, 32.2482, 128.0596

Sweetspot

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



41.8004, 32.2500, 4.0220



74.5786, 74.9993, 52.9288



37.6331, 19.0494, 17.6339



15.4599, 15.4036, 10.0614



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.



41.8004, 32.2500, 4.0220



49.7634, 38.3069, 4.7711



63.2953, 77.1572, 11.5570



15.7205, 16.3640, 15.8487



23.1719, 18.0379, 2.2604



1.9158, 1.6089, 0.2096

Inverse Universe

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



20.9343, 17.6442, 81.6584



24.8888, 20.8976, 97.3296



15.1896, 6.0817, 79.7294



14.8208, 15.7280, 19.1769



11.6669, 9.9808, 45.0545



1.0118, 0.9752, 3.5698

Previews

White Background



This preview shows how the XYZ color 41.7997, 32.2482, 4.0214 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 41.7997, 32.2482, 4.0214 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 41.7997, 32.2482, 4.0214

Background



This preview shows how black text looks on a background with the XYZ color 41.7997, 32.2482, 4.0214.

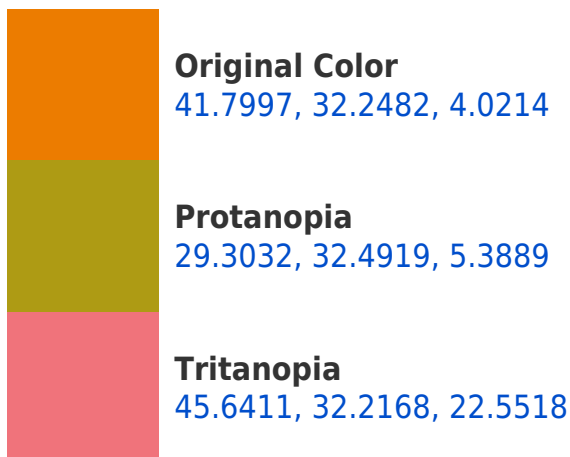


This preview shows how white text looks on a background with the XYZ color 41.7997, 32.2482,

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



Trichromacy



Original Color

41.7997, 32.2482, 4.0214

Protanomaly

33.0719, 31.8459, 4.7846

Tritanomaly

43.4502, 31.8576, 11.0668

Monochromacy



Original Color

41.7997, 32.2482, 4.0214

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.8239, 27.7108, 13.7271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7997, 32.2482, 4.0214 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, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.7997, 32.2482, 4.0214 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, 124, 0) }
```

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

```
.border{ border-color:rgb(236, 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(236, 124, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 124,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 41.7997, 32.2482, 4.0214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 124, 0) }
```

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

```
.background{ background-color: rgb(236,  
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](#).

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