

# Converting Colors

XYZ(42.3423, 35.2703, 15.2686)

Have a look what the booklet for  
XYZ(42.3423, 35.2703, 15.2686)  
contains.

**XYZ(42.3043, 35.2809, 15.1699) ..... 3**  
    ***Conversions* ..... 4**  
    ***Details* ..... 6**  
    ***Harmonies* ..... 12**  
    ***Previews* ..... 24**  
    ***Color Blindness Simulation* ..... 28**  
    ***CSS Examples* ..... 31**

# Color

**XYZ(42.3043, 35.2809,  
15.1699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E18B5E
RGB	225, 139, 94
RGB Percent	88%, 55%, 37%
CMY	0.1176, 0.4549, 0.6314
CMYK	0.00, 0.38, 0.58, 0.12
HSL	21°, 69%, 63%
HSV	21°, 58%, 88%
XYZ	42.3043, 35.2809, 15.1699
YIQ	159.5840, 65.7010, 4.2370

# Conversions

## Conversions Part 2

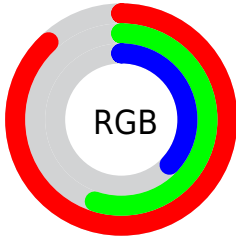
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 163, 94
Decimal	14781278
CIE Lab	65.97, 28.45, 37.64
CIE LCh	66, 47.182, 52.916
Yxy	35.2809, 0.4561, 0.3804
Android (android.graphics.Color)	4292971358 (0xFFE18B5E)
YUV	159.5840, -32.3329, 57.3698
Hunter-Lab	59.3977, 23.1854, 26.4360

# Details

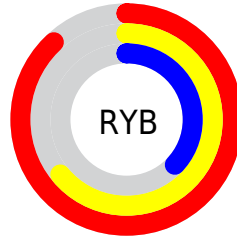
The XYZ color **42.3043, 35.2809, 15.1699** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **34.5270, 40.4564, 77.2229**, and the grayscale version is **33.3458, 35.0824, 38.2047**.

A 20% lighter version of the original color is **65.4208, 61.4443, 35.1999**, and **19.7088, 15.2837, 4.4961** is the 20% darker color. If you saturate the color by 10%, you get **39.4420, 30.9435, 9.9399**, and if you desaturate by 10%, it is **45.7515, 40.3175, 22.0471**.

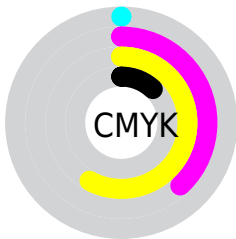
# Distribution



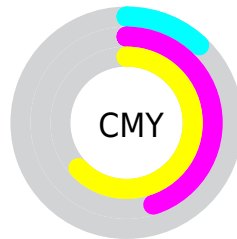
- Red (88%)
- Green (55%)
- Blue (37%)



- Red (88%)
- Yellow (64%)
- Blue (37%)



- Cyan (0%)
- Magenta (38%)
- Yellow (58%)
- Black (12%)




- Cyan (12%)
- Magenta (45%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3043, 35.2809, 15.1699 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 42.3043, 35.2809, 15.1699 by changing the saturation by 10% instead.




 42.3043, 35.2809,  
15.1699


 42.3043, 35.2809,  
15.1699

346.7130,  
325.8065, 236.0684

 29.5318, 23.8793,  
8.7908


 77.9222, 67.9207,  
35.8975


 19.6298, 15.2441,  
4.5100


 101.4984, 89.9277,  
51.0830

 12.2329, 8.9909,  
1.9091


 129.4064,  
116.2387, 70.0410

 6.9758, 4.7353,  
0.4985

 162.0118,  
147.2380, 93.1902

 3.4932, 2.0928,  
0.0000

199.6798,  
183.3100, 120.9490

 1.4196, 0.6606,  
0.0000

242.7757,

 0.2701, 0.0000,

224.8392, 153.7359

0.0000

291.6650,  
272.2099, 191.9695

■ 0.0000, 0.0000,  
0.0000

■ 42.3043, 35.2809,  
15.1699

■ 42.3043, 35.2809,  
15.1699

■ 39.4420, 30.9435,  
9.9399

■ 45.7515, 40.3175,  
22.0471

■ 37.1241, 27.2662,  
6.2122

■ 49.8152, 46.0790,  
30.6952

■ 35.3082, 24.2141,  
3.8198

■ 54.5273, 52.5960,  
41.2286

■ 33.9363, 21.7428,  
2.5230

■ 59.9169, 59.8959,  
53.7512

■ 33.7260, 21.3572,  
2.3448

■ 66.0109, 68.0044,  
68.3593

■ 72.8349, 76.9461,  
85.1429

■ 80.4131, 86.7447,  
104.1867

■ 84.8612, 94.7475,  
108.4232

# Harmonies

## Analogous

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



47.4925, 35.2809, 25.2964



42.3043, 35.2809, 15.1699



35.2178, 35.2809, 11.4858

# Triad

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



42.3043, 35.2809, 15.1699



21.8900, 35.2809, 33.8624



39.0414, 35.2809, 85.8698

# Complementary

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



42.3043, 35.2809, 15.1699



34.5270, 40.4564, 77.2229

# 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.



31.9037, 35.2809, 90.6449



42.3043, 35.2809, 15.1699



22.6187, 35.2809, 55.4287

# Square

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



42.3043, 35.2809, 15.1699



23.9171, 35.2809, 19.5715



26.0673, 35.2809, 78.0102



45.4334, 35.2809, 66.5997



# Rectangle

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



42.3043, 35.2809, 15.1699



30.6193, 35.2809, 11.7924



26.0673, 35.2809, 78.0102



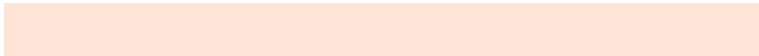
36.6269, 35.2809, 89.4455

# Sweetspot

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



42.3051, 35.2827, 15.1706



80.4238, 80.6843, 73.3910



43.4288, 27.3631, 46.8883



16.8837, 16.8265, 14.9284



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.



42.3051, 35.2827, 15.1706



51.6252, 39.9153, 11.9125



54.4669, 59.6062, 19.2245



14.0903, 14.4666, 14.3565



19.5326, 12.5032, 1.3839



1.4352, 1.0294, 0.1230



# Inverse Universe

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



34.5270, 40.4564, 77.2229



40.2901, 47.2165, 101.5979



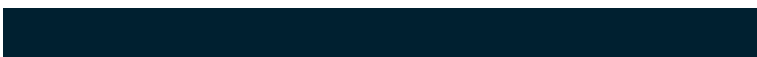
24.4331, 20.2686, 73.8582



13.6994, 14.7380, 17.5104



14.0196, 15.5088, 43.3030



1.0541, 1.2397, 3.0290



# Previews

## White Background



This preview shows how the XYZ color 42.3043, 35.2809, 15.1699 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 42.3043, 35.2809, 15.1699 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 42.3043, 35.2809, 15.1699**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3043, 35.2809, 15.1699.



This preview shows how white text looks on a background with the XYZ color 42.3043, 35.2809,



# 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

42.3043, 35.2809, 15.1699

### Protanopia

32.8223, 35.5630, 17.7048

### Deuteranopia

36.0445, 35.2736, 14.8063



## Tritanopia

45.3404, 35.2522, 30.4013

# Trichromacy



## Original Color

42.3043, 35.2809, 15.1699

## Protanomaly

35.6357, 35.0208, 16.6859

## Deuteranomaly

38.2538, 35.2179, 14.9068

## Tritanomaly

44.0442, 35.1395, 23.8633

# Monochromacy



## Original Color

42.3043, 35.2809, 15.1699

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

35.4393, 34.4244, 28.0693

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3043, 35.2809, 15.1699 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(225, 139, 94)` looks like.

```
.text, #text, p{  
    color:rgb(225, 139, 94)  
}
```

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(225, 139, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 139, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3043, 35.2809, 15.1699 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(225, 139, 94) }
```



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

```
.border{ border-color:rgb(225, 139, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 139, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 139, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 139, 94);  
box-shadow:4px 4px 4px 4px rgb(225, 139,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3043, 35.2809, 15.1699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 139, 94) }
```

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

```
.background{ background-color: rgb(225,  
139, 94) }
```

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